

Dallas County
Iowa

NAD 83(NA2011)

Iowa South Zone (1402)

&

IaRCS Zone 8

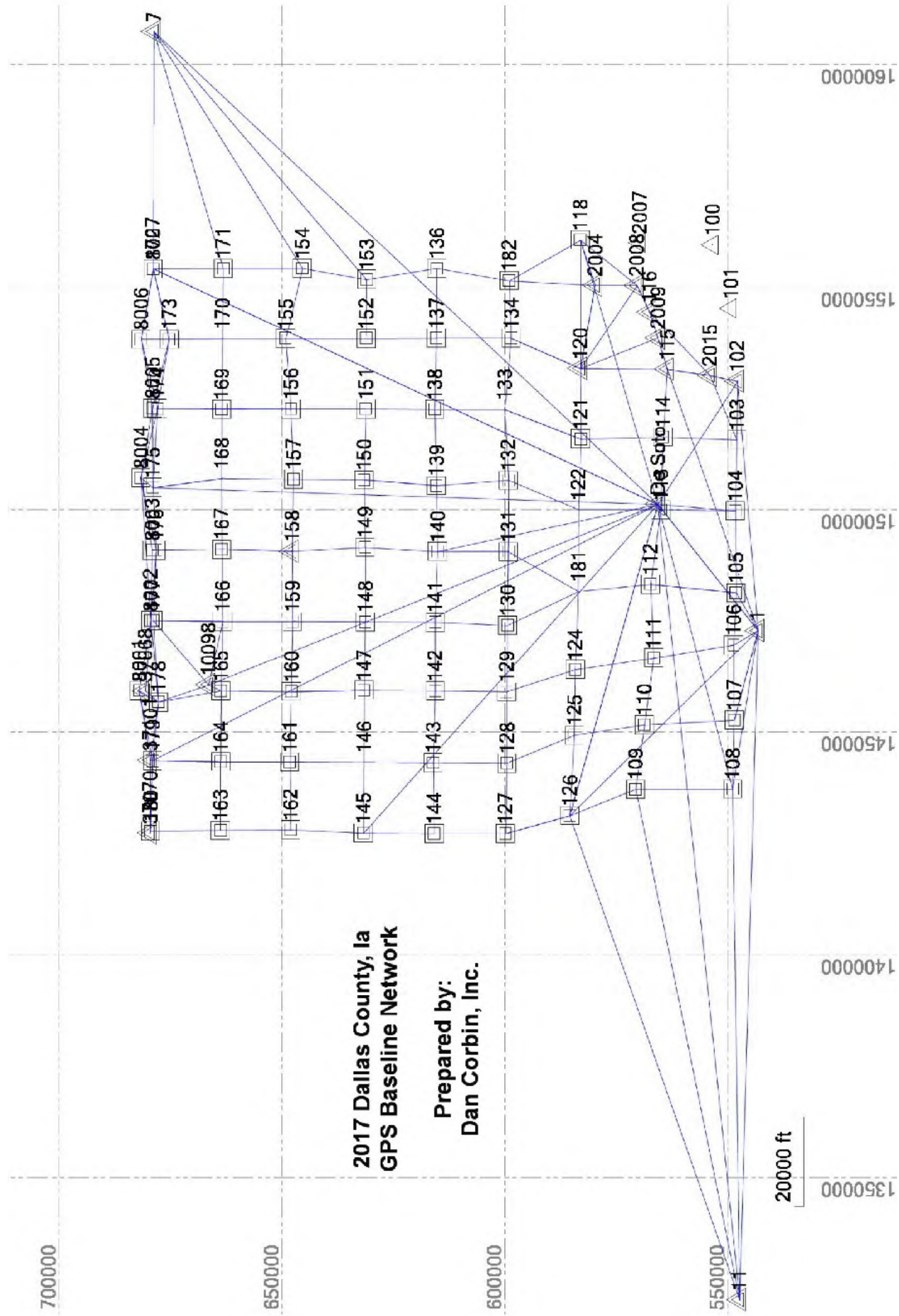
Monument Records

2018

Dan Corbin, Inc.
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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **1**

Designation: NGS horiz. & vert. control station " A 162" PID: MJ0089

NAD 83(NA2011) Latitude: **N41°29'22.49247"** Longitude: **W94°06'39.76436"**
NAVD 88 Ortho Height: **1095.820sft** Ellip. Ht: **996.291sft** Geoid12B

Iowa South Zone (1402) Northing: **543296.130sft** Easting: **1473009.720sft**
Mapping Angle: **-0°24'09"** Combination Scale Factor: **0.99991350**

IaRCS Zone 8 Northing: **7451891.705sft** Easting: **18391944.013sft**
Mapping Angle: **-0°15'41"** Combination Scale Factor: **0.99999880**

Monument Type: CGS bench mark disk set in the top of concrete monument.



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Dallas County, Iowa
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Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **7**

Designation: CBN control station "Story 11" PID:AE2153

NAD 83(NA2011) Latitude: **N41°51'47.92523"** Longitude: **W93°37'11.80901"**
NAVD 88 Ortho Height: **1018.239sft** Ellip. Ht: **917.980sft** **Geoid12B**

Iowa South Zone (1402) Northing: **678913.373sft** Easting: **1607742.575sft**
Mapping Angle: **-0°04'44"** Combination Scale Factor: **0.99997138**

IaRCS Zone 8 Northing: **7587849.497sft** Easting: **18526347.368sft**
Mapping Angle: **0°03'52"** Combination Scale Factor: **0.99998999**

Monument Type: 3-1/4" disk set on an aluminum alloy rod w/o sleeve (15ft.+) Stamping:
Story County aerial photo mont 1988 35-82-24



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Dallas County, Iowa
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2018

Point Name: **11**

Designation: CBN control station "P 163" PID: MJ0181

NAD 83(NA2011) Latitude: **N41°29'47.96396"** Longitude: **W94°39'36.29414"**
NAVD 88 Ortho Height: **1430.380sft** Ellip. Ht: **1339.175sft** **Geoid12B**

Iowa South Zone (1402) Northing: **547405.320sft** Easting: **1322632.610sft**
Mapping Angle: **-0°45'51"** Combination Scale Factor: **0.99989777**

IaRCS Zone 8 Northing: **7455633.500sft** Easting: **18241540.433sft**
Mapping Angle: **-0°37'30"** Combination Scale Factor: **1.00004544**

Monument Type: CGS bench mark disk set in the top of concrete monument.



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Dallas County, Iowa

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Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **100**

Designation: G100 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°31'07.67891"**

Longitude: **W93°47'39.96853"**

NAVD 88 Ortho Height: **927.800sft**

Ellip. Ht: **825.920sft**

Geoid12B

Iowa South Zone (1402) Northing: **553490.848sft**

Easting: **1559786.224sft**

Mapping Angle: **-0°11'38"**

Combination Scale Factor: **0.99992432**

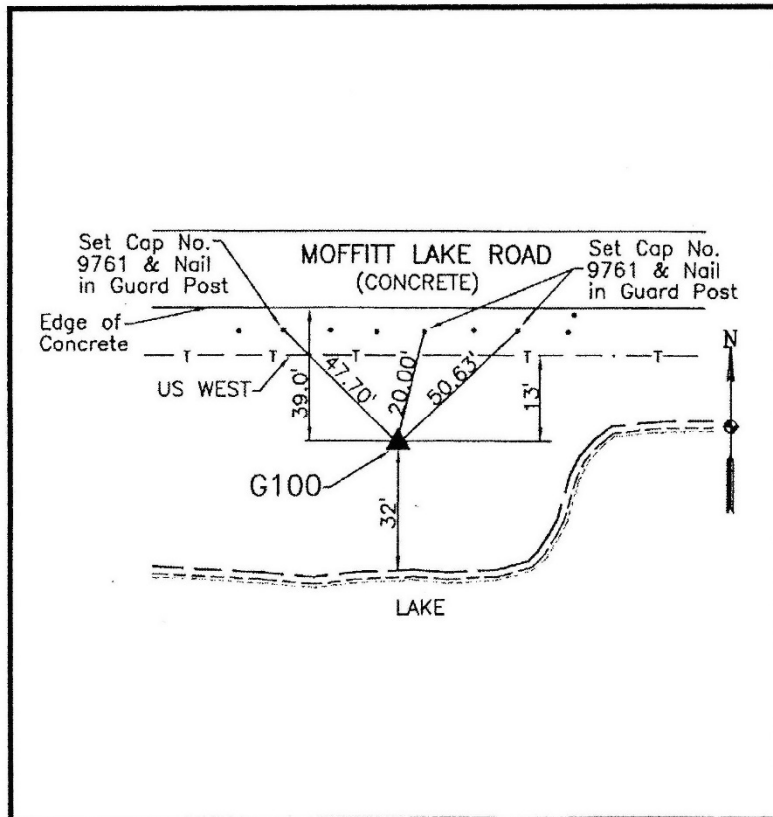
laRCS Zone 8 Northing: **7462301.929sft**

Easting: **18478701.627sft**

Mapping Angle: **-0°03'06"**

Combination Scale Factor: **0.99999411**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G100 and NGS Style
Access Cover 3 " Deep.

Location:

South side Maffitt Lake Road
at west end of dam. East of
house at 12497 Maffitt Lake
Road address. T-78N R-26W,
E1/4 Cor. Sec 36.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
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2018

Point Name: **101**

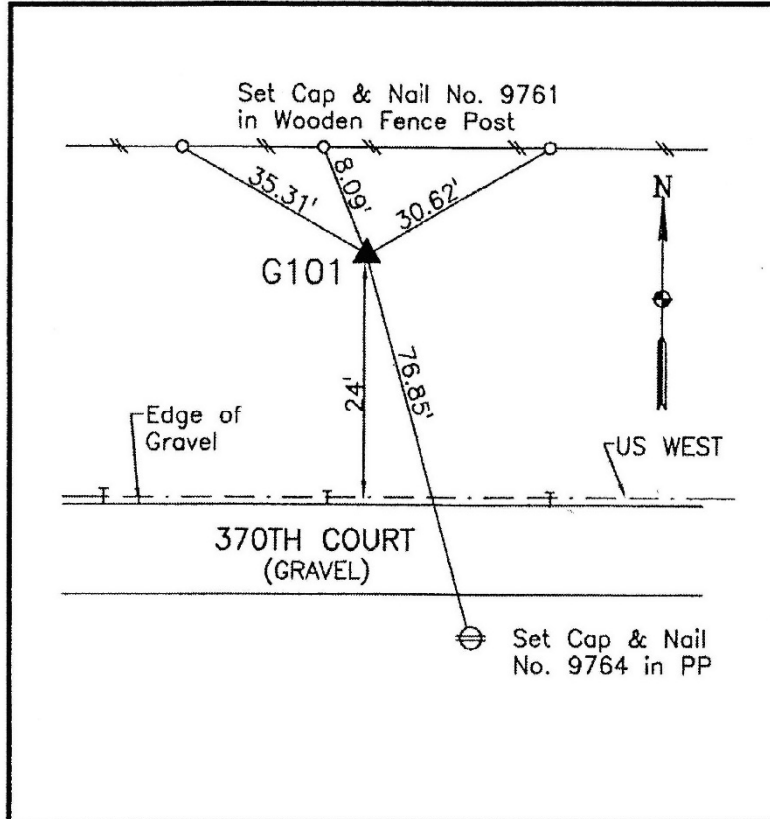
Designation: G101 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'26.73470"** Longitude: **W93°50'47.60153"**
NAVD 88 Ortho Height: **994.340sft** Ellip. Ht: **892.741sft** **Geoid12B**

Iowa South Zone (1402) Northing: **549399.364sft** Easting: **1545496.799sft**
Mapping Angle: **-0°13'42"** Combination Scale Factor: **0.99992005**

IaRCS Zone 8 Northing: **7458174.678sft** Easting: **18464421.397sft**
Mapping Angle: **-0°05'10"** Combination Scale Factor: **0.99999185**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G101 and NGS Style
Access Cover 5 " Deep.

Location:

North side 370th Court east of
address 3307 370th Court.
South side of board fence. T-
78N R-26W, SW1/4 Cor. Sec
34.

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2018

Dallas County, Iowa

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Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **103**

Designation: G103 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'11.84553"**

Longitude: **W93°57'16.80517"**

NAVD 88 Ortho Height: **1015.408sft**

Ellip. Ht: **914.543sft**

Geoid12B

Iowa South Zone (1402) Northing: **548028.782sft**

Easting: **1515877.816sft**

Mapping Angle: **-0°17'58"**

Combination Scale Factor: **0.99991863**

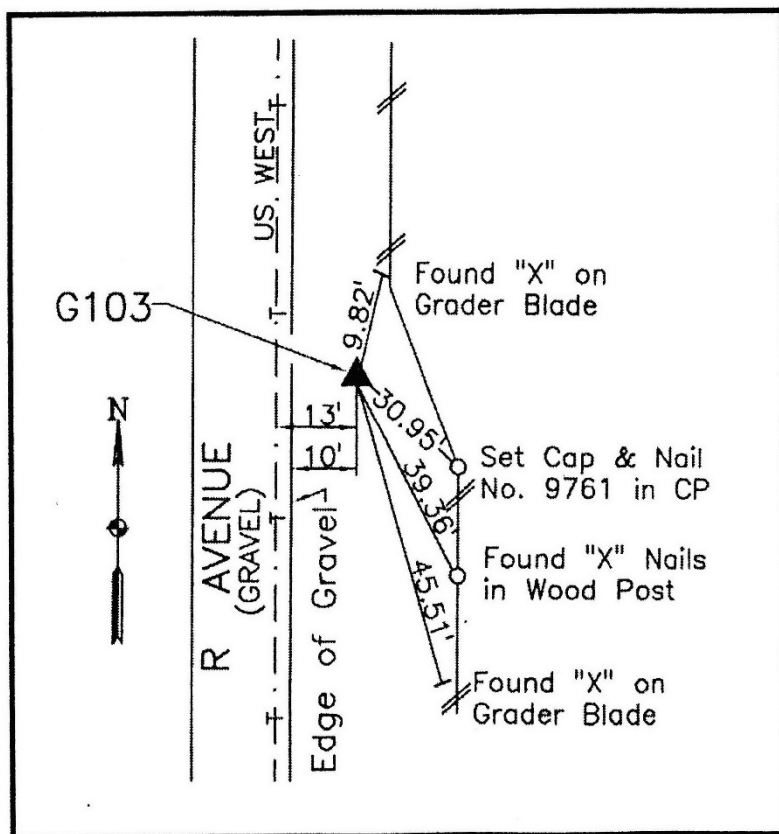
IaRCS Zone 8 Northing: **7456730.595sft**

Easting: **18434803.723sft**

Mapping Angle: **-0°09'28"**

Combination Scale Factor: **0.99999422**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G103 and NGS Style
Access Cover 5 " Deep.

Location:

East side R Avenue at south
county line. T-78N R-27W,
SW1/4 Cor. Sec. 34.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **104**

Designation: G104 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'13.97077"**

Longitude: **W94°00'46.51792"**

NAVD 88 Ortho Height: **915.493sft**

Ellip. Ht: **815.117sft**

Geoid12B

Iowa South Zone (1402) Northing: **548332.629sft**

Easting: **1499922.940sft**

Mapping Angle: **-0°20'16"**

Combination Scale Factor: **0.99992343**

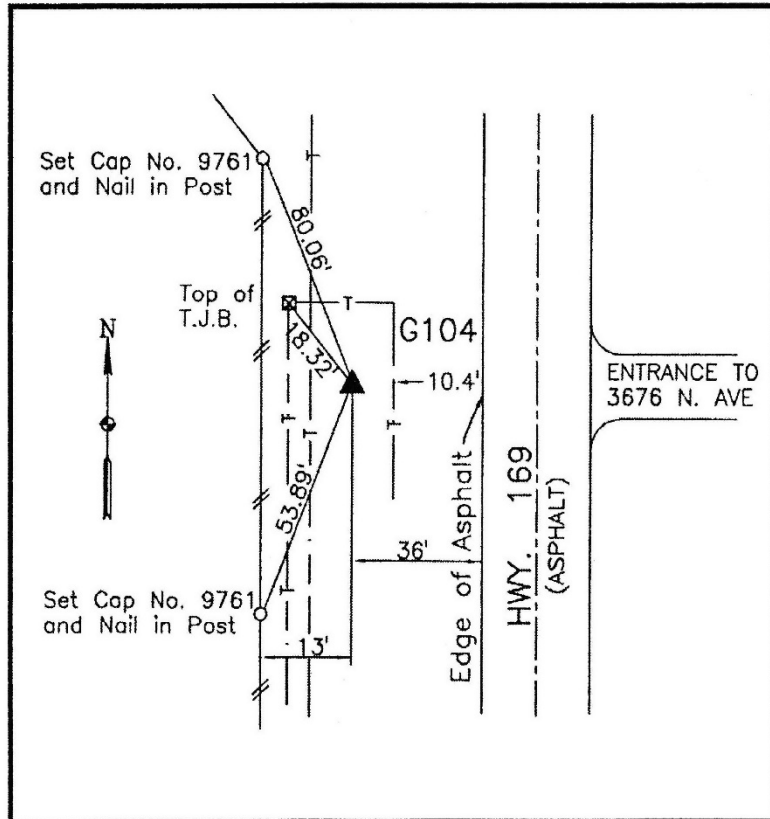
laRCS Zone 8 Northing: **7456995.014sft**

Easting: **18418846.919sft**

Mapping Angle: **-0°11'47"**

Combination Scale Factor: **1.00000163**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G104 and NGS Style
Access Cover 4 " Deep.

Location:

West side N Avenue (Hwy 169)
opposite driveway to address
3676 N Avenue. Just north of
south county line. Station
2+70± Hwy. 169. T-78N R-
27W, SW1/4 Cor. Sec. 31.

Dallas County, Iowa

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Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **105**

Designation: G105 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'11.19826"**

Longitude: **W94°04'48.83799"**

NAVD 88 Ortho Height: **1076.997sft**

Ellip. Ht: **977.271sft**

Geoid12B

Iowa South Zone (1402) Northing: **548167.874sft**

Easting: **1481484.218sft**

Mapping Angle: **-0°22'56"**

Combination Scale Factor: **0.99991562**

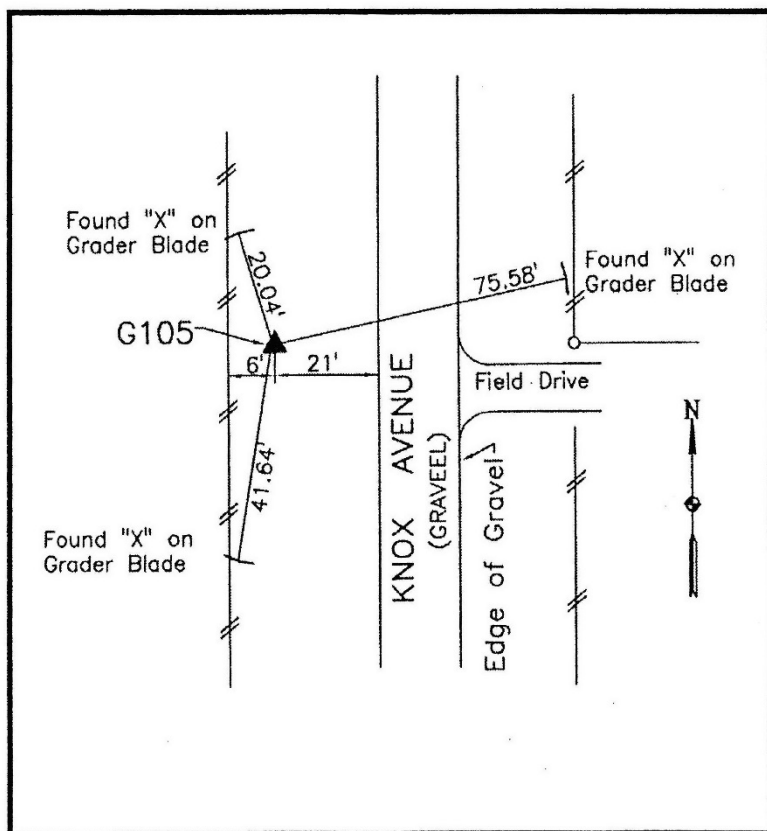
IaRCS Zone 8 Northing: **7456784.735sft**

Easting: **18400407.183sft**

Mapping Angle: **-0°14'27"**

Combination Scale Factor: **0.99999770**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G105 and NGS Style
Access Cover 4 " Deep.

Location:

West side Knox Avenue at
south county line. T-78N R-
28W, S1/4 Cor. Sec. 33.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **106**

Designation: G106 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'15.86265"**

Longitude: **W94°07'23.20894"**

NAVD 88 Ortho Height: **1089.397sft**

Ellip. Ht: **990.150sft**

Geoid12B

Iowa South Zone (1402) Northing: **548721.205sft**

Easting: **1469742.243sft**

Mapping Angle: **-0°24'38"**

Combination Scale Factor: **0.99991513**

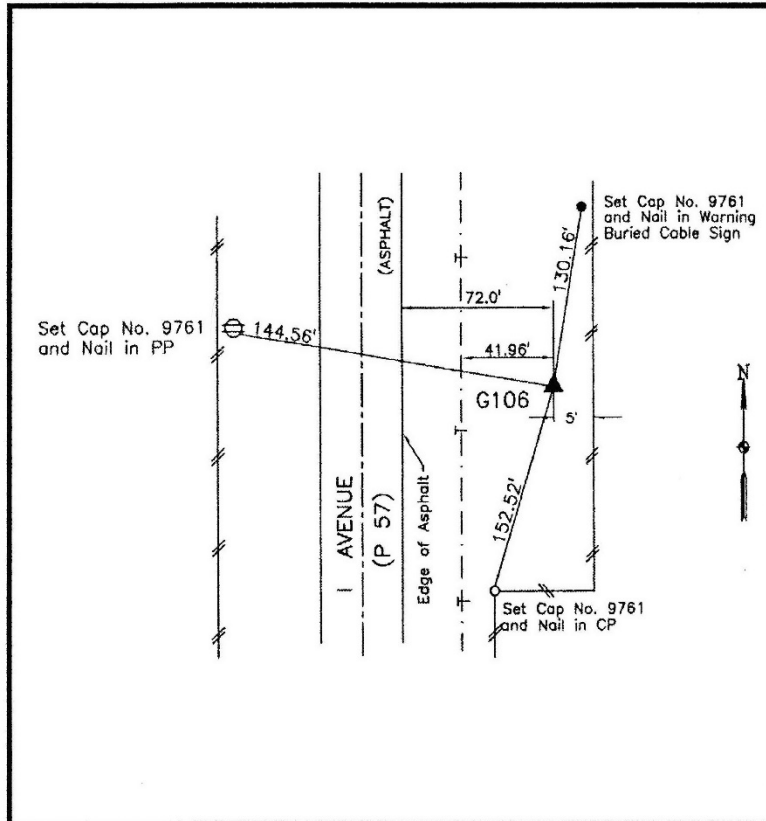
IaRCS Zone 8 Northing: **7457309.174sft**

Easting: **18388662.900sft**

Mapping Angle: **-0°16'10"**

Combination Scale Factor: **0.99999992**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G106 and NGS Style
Access Cover 3 " Deep.

Location:

East side I Ave (P57) at east of
right of way fence and north of
old building site at south county
line. T-78N R-28W, SW Cor.
SW1/4 SE1/4 Sec. 31.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **107**

Designation: G107 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'13.38297"**

Longitude: **W94°11'05.65245"**

NAVD 88 Ortho Height: **1108.238sft**

Ellip. Ht: **1009.779sft**

Geoid12B

Iowa South Zone (1402) Northing: **548597.489sft**

Easting: **1452815.999sft**

Mapping Angle: **-0°27'04"**

Combination Scale Factor: **0.99991413**

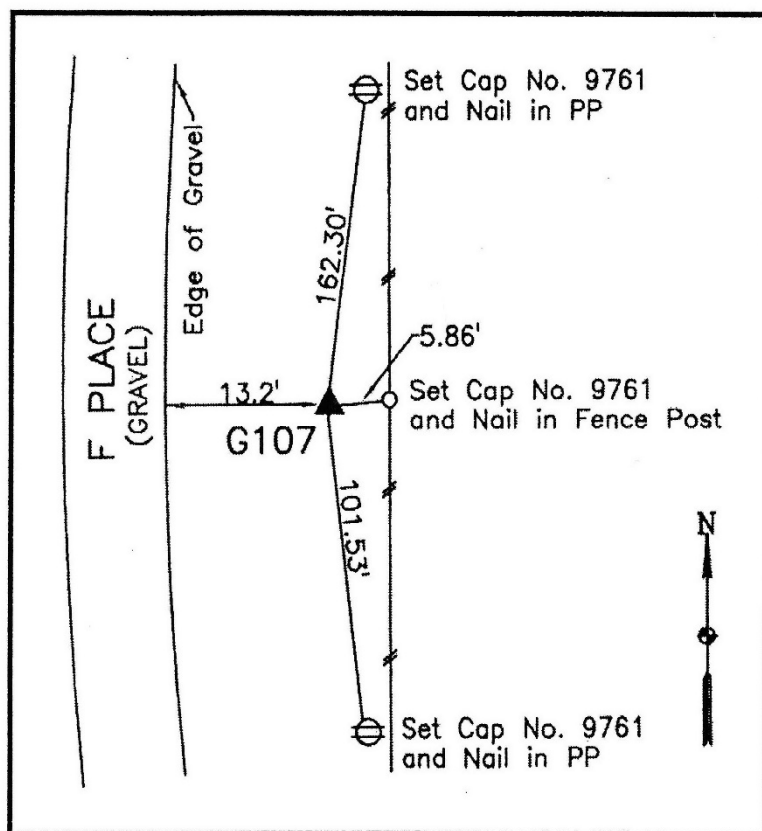
IaRCS Zone 8 Northing: **7457143.796sft**

Easting: **18371735.538sft**

Mapping Angle: **-0°18'37"**

Combination Scale Factor: **1.00000362**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G107 and NGS Style
Access Cover 3 " Deep.

Location:

East side of F Place just north
of south county line. T-78N R-
29W, SW Cor. Sec. 34.

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Dallas County, Iowa

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Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **108**

Designation: G108 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°30'15.58760"**

Longitude: **W94°14'29.16869"**

NAVD 88 Ortho Height: **1152.200sft**

Ellip. Ht: **1054.628sft**

Geoid12B

Iowa South Zone (1402) Northing: **548947.577sft**

Easting: **1437333.605sft**

Mapping Angle: **-0°29'18"**

Combination Scale Factor: **0.99991204**

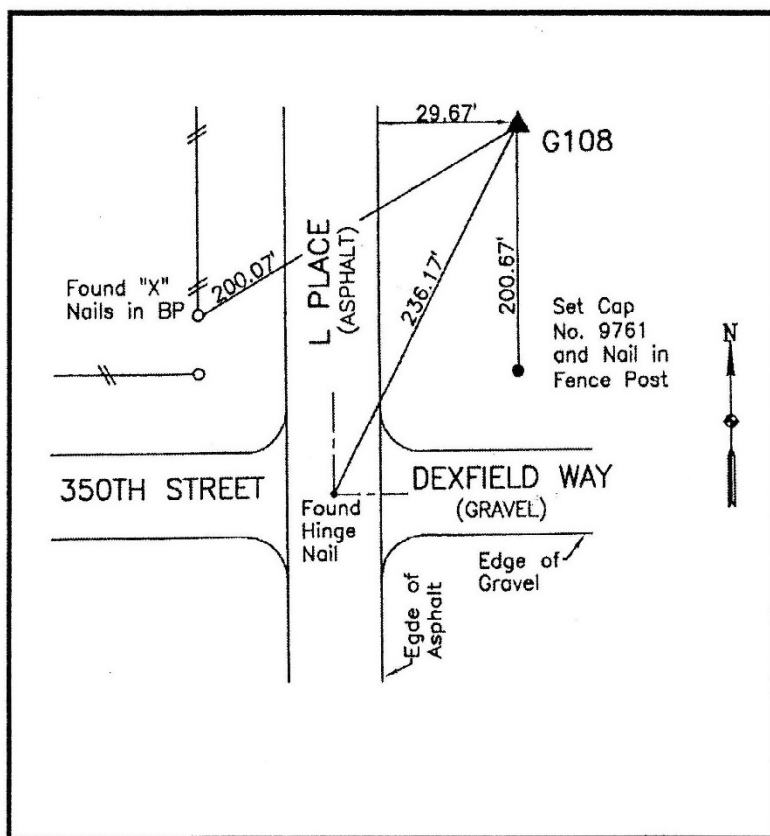
IaRCS Zone 8 Northing: **7457455.880sft**

Easting: **18356250.909sft**

Mapping Angle: **-0°20'52"**

Combination Scale Factor: **1.00000629**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G108 and NGS Style
Access Cover 2 " Deep.

Location:

East side of C Place (P48)
north of south county line
(Deerfield Way). T-78N R-
29W, SW Cor. Sec. 31.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **109**

Designation: G109 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°33'50.93571"**

Longitude: **W94°14'32.26939"**

NAVD 88 Ortho Height: **947.558sft**

Ellip. Ht: **851.010sft**

Geoid12B

Iowa South Zone (1402) Northing: **570745.054sft**

Easting: **1437283.697sft**

Mapping Angle: **-0°29'20"**

Combination Scale Factor: **0.99992782**

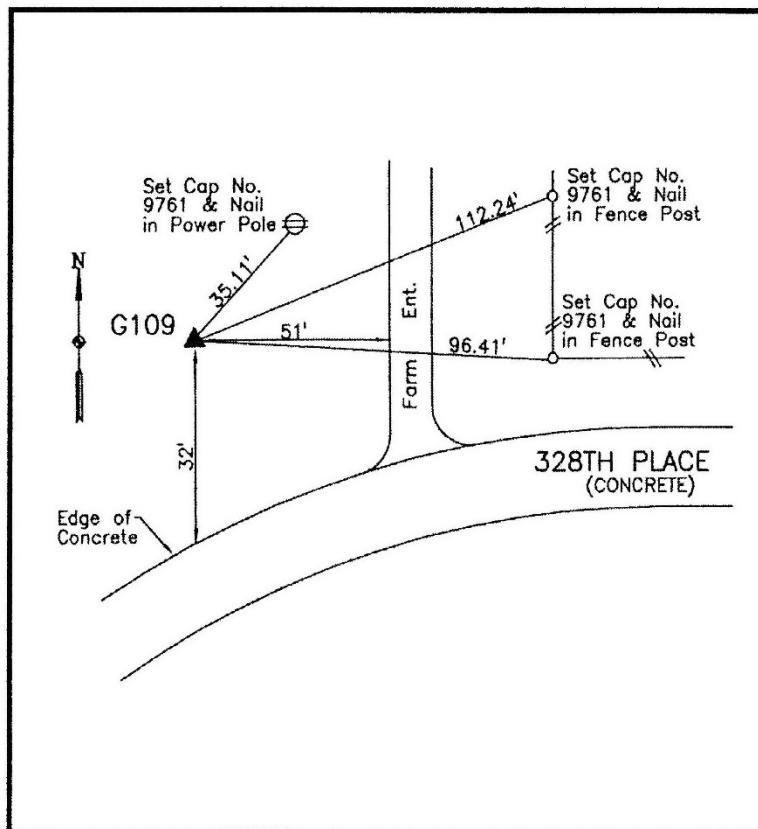
laRCS Zone 8 Northing: **7479255.161sft**

Easting: **18356147.571sft**

Mapping Angle: **-0°20'55"**

Combination Scale Factor: **1.00001604**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G109 and NGS Style
Access Cover 4 " Deep.

Location:

North side 328th Place (F61)
east of west county line and
west of farm entrance. West of
DNR Courtney McCammond
Access Park. T-78N R-29W,
SW Cor. Sec. 7.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **110**

Designation: G110 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°33'32.83543"**

Longitude: **W94°11'22.19399"**

NAVD 88 Ortho Height: **1079.300sft**

Ellip. Ht: **981.733sft**

Geoid12B

Iowa South Zone (1402) Northing: **568794.177sft**

Easting: **1451717.472sft**

Mapping Angle: **-0°27'15"**

Combination Scale Factor: **0.99992104**

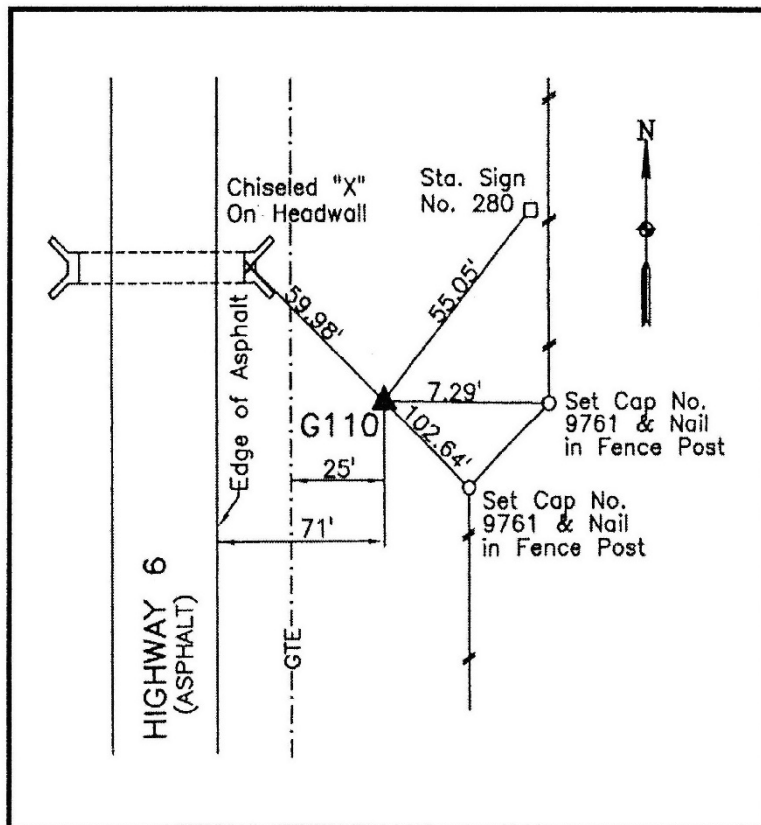
IaRCS Zone 8 Northing: **7477339.482sft**

Easting: **18370587.326sft**

Mapping Angle: **-0°18'49"**

Combination Scale Factor: **1.00000529**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G110 and NGS Style
Access Cover 3 " Deep.

Location:

East side Hwy. 6 at east right
of way fence nearly opposite
driveway to address 3315 Hwy
6. Station 279+40 Hwy. 6.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **111**

Designation: G111 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°33'13.33383"**

Longitude: **W94°08'03.40169"**

NAVD 88 Ortho Height: **1078.236sft**

Ellip. Ht: **979.719sft**

Geoid12B

Iowa South Zone (1402) Northing: **566705.385sft**

Easting: **1466815.215sft**

Mapping Angle: **-0°25'04"**

Combination Scale Factor: **0.99992055**

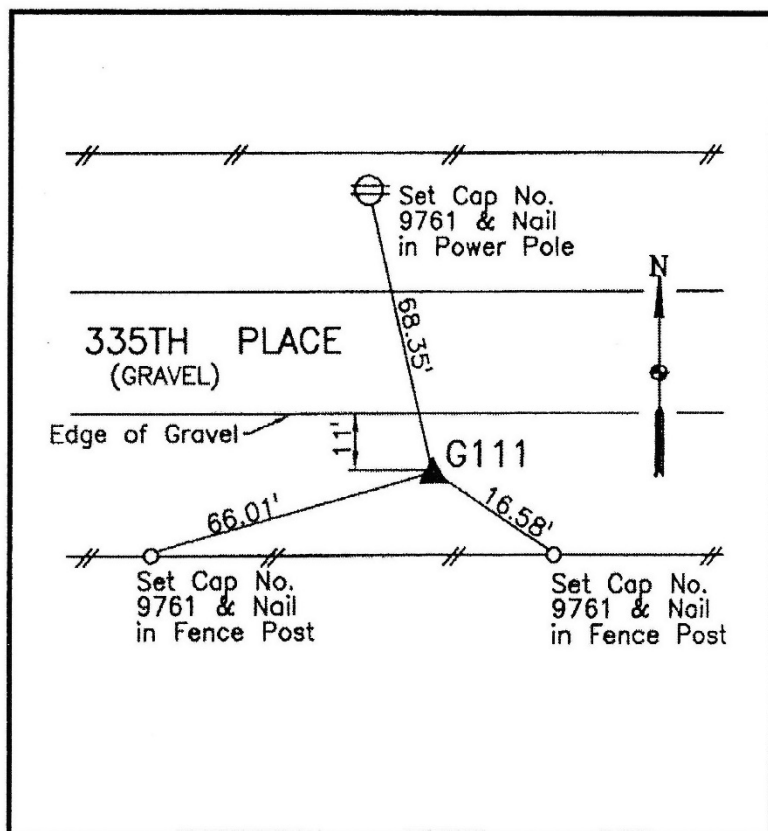
IaRCS Zone 8 Northing: **7475287.587sft**

Easting: **18385691.395sft**

Mapping Angle: **-0°16'37"**

Combination Scale Factor: **1.00000118**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G111 and NGS Style
Access Cover 2 " Deep.

Location:

South side 335th Place 0.2
mile east of Houston Trail.

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Iowa State Plane South Zone (1402)

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2018

Point Name: **112**

Designation: G112 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°33'21.13858"**

Longitude: **W94°04'25.46592"**

NAVD 88 Ortho Height: **891.922sft**

Ellip. Ht: **792.622sft**

Geoid12B

Iowa South Zone (1402) Northing: **567380.267sft**

Easting: **1483389.296sft**

Mapping Angle: **-0°22'41"**

Combination Scale Factor: **0.99992971**

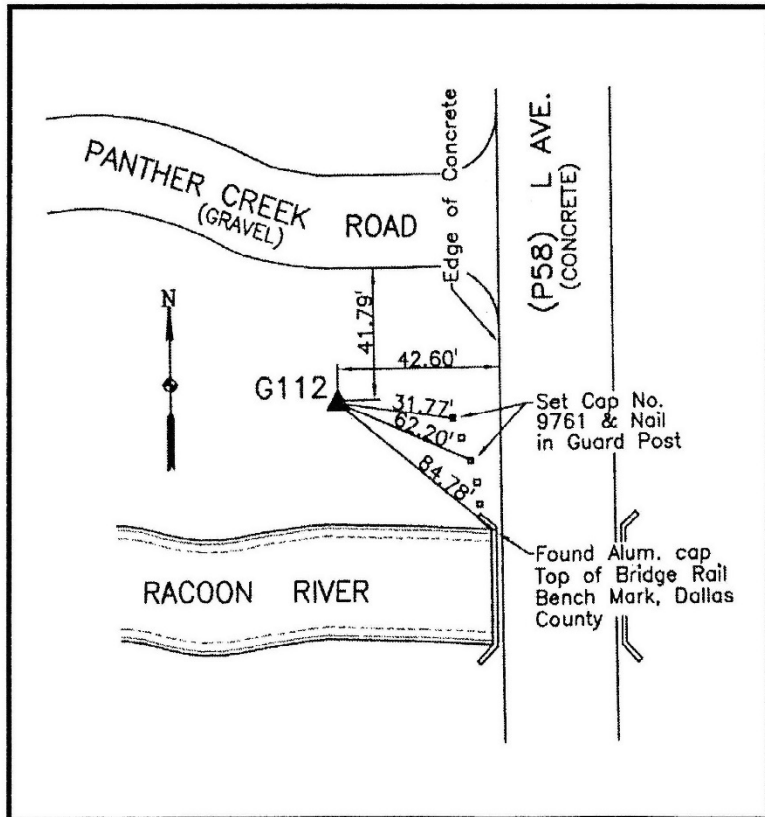
laRCS Zone 8 Northing: **7476003.288sft**

Easting: **18402265.067sft**

Mapping Angle: **-0°14'13"**

Combination Scale Factor: **1.00000609**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G112 and NGS Style
Access Cover 7 " Deep.

Location:

Southwest corner of the
intersection of L Avenue (P58)
and Panther Creek Road.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **113**

Designation: G113 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°32'59.53708"**

Longitude: **W94°00'44.82324"**

NAVD 88 Ortho Height: **949.991sft**

Ellip. Ht: **849.956sft**

Geoid12B

Iowa South Zone (1402) Northing: **565089.183sft**

Easting: **1500150.604sft**

Mapping Angle: **-0°20'15"**

Combination Scale Factor: **0.99992633**

IaRCS Zone 8

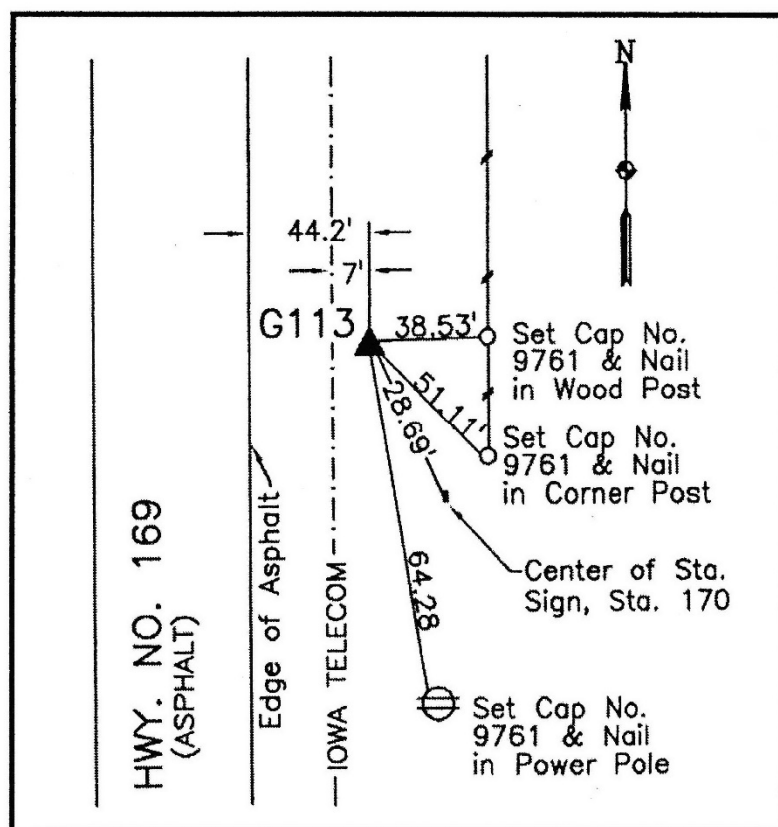
Northing: **7473753.352sft**

Easting: **18419033.227sft**

Mapping Angle: **-0°11'46"**

Combination Scale Factor: **0.99999993**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G113 and NGS Style
Access Cover 2" Deep.

Location:

East side N Avenue (Hwy 169)
on top of hill between Olive
Lane and Glenwood Circle.
Hwy. 169 Station 170+30.

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Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **114**

Designation: G114 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°32'55.31126"**

Longitude: **W93°57'09.46132"**

NAVD 88 Ortho Height: **959.402sft**

Ellip. Ht: **858.787sft**

Geoid12B

Iowa South Zone (1402) Northing: **564570.638sft**

Easting: **1516522.673sft**

Mapping Angle: **-0°17'53"**

Combination Scale Factor: **0.99992578**

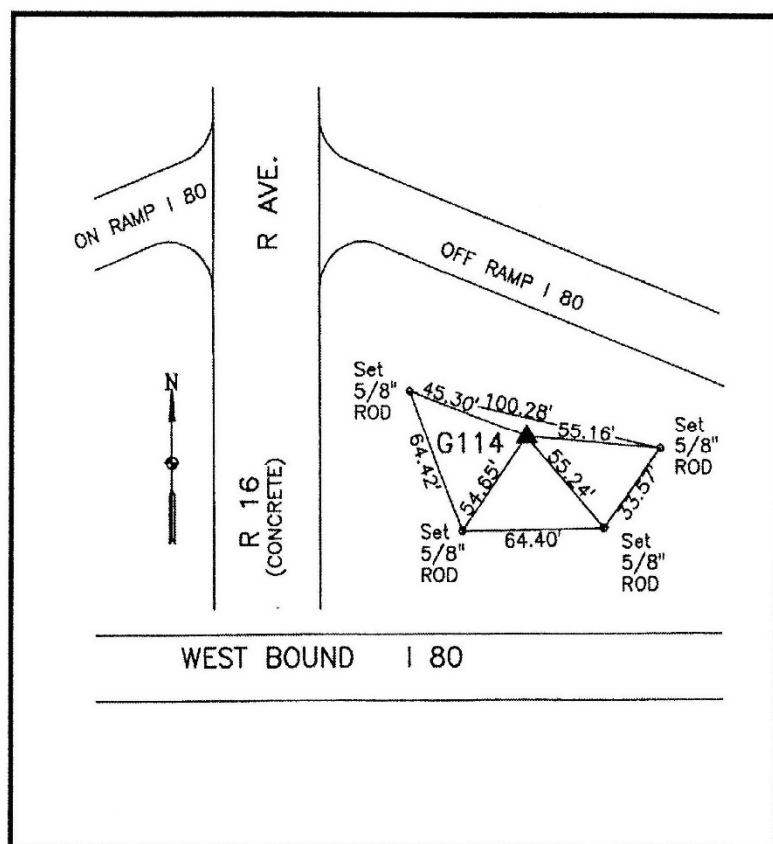
laRCS Zone 8 Northing: **7473275.208sft**

Easting: **18435407.710sft**

Mapping Angle: **-0°09'23"**

Combination Scale Factor: **0.99999679**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G114 and NGS Style
Access Cover 3 " Deep.

Location:

South side west bound off
ramp at I-80 interchange
number 113 with R Avenue
(R16). Monument location is on
top of hill.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **115**

Designation: G115 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°32'46.88435"**

Longitude: **W93°53'49.28611"**

NAVD 88 Ortho Height: **1017.980sft**

Ellip. Ht: **916.898sft**

Geoid12B

Iowa South Zone (1402) Northing: **563643.387sft**

Easting: **1531738.731sft**

Mapping Angle: **-0°15'41"**

Combination Scale Factor: **0.99992276**

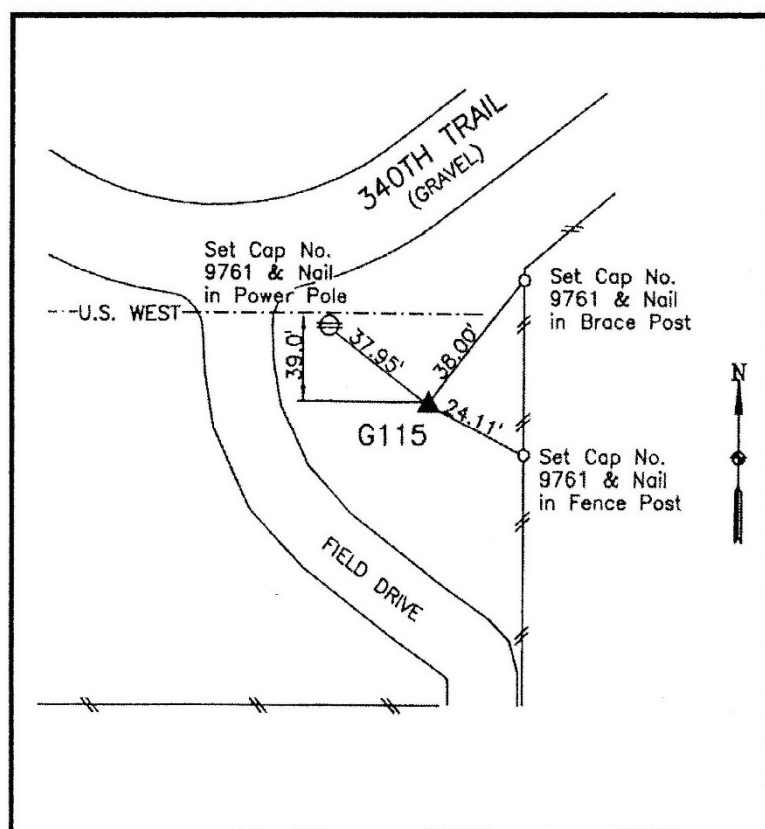
IaRCS Zone 8 Northing: **7472385.549sft**

Easting: **18450627.083sft**

Mapping Angle: **-0°07'11"**

Combination Scale Factor: **0.99999203**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G115 and NGS Style
Access Cover 4 " Deep.

Location:

South side intersection of
340th Trail (F64) and U Lane
where county road right of way
widens. West of north-south
fence.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **116**

Designation: G116 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°33'27.35122"**

Longitude: **W93°50'59.62621"**

NAVD 88 Ortho Height: **875.760sft**

Ellip. Ht: **774.392sft**

Geoid12B

Iowa South Zone (1402) Northing: **567683.803sft**

Easting: **1544655.480sft**

Mapping Angle: **-0°13'50"**

Combination Scale Factor: **0.99993076**

IaRCS Zone 8

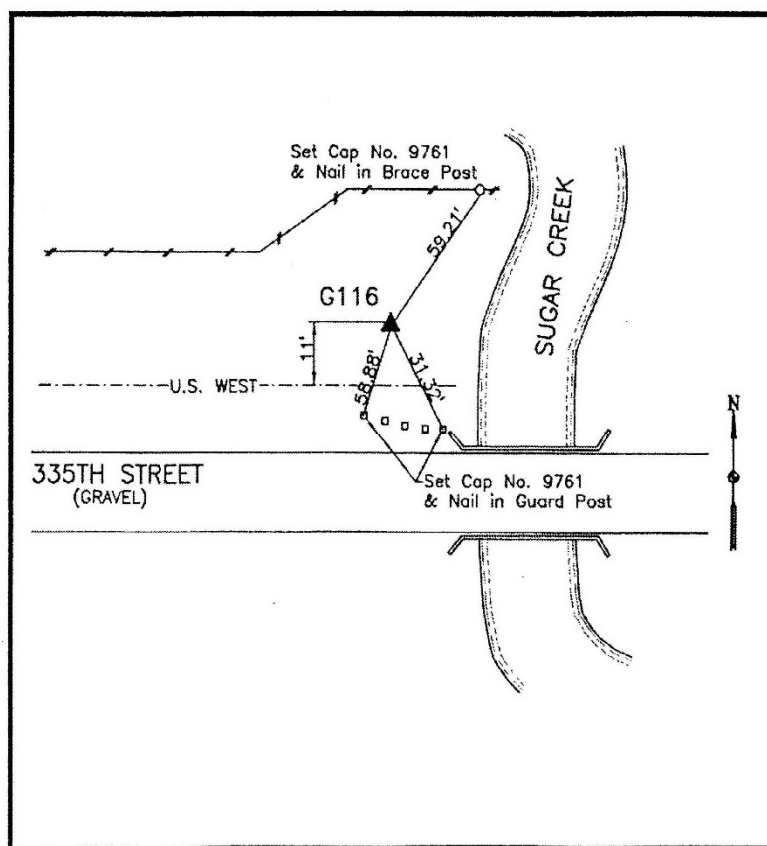
Northing: **7476458.241sft**

Easting: **18463534.656sft**

Mapping Angle: **-0°05'18"**

Combination Scale Factor: **0.99999757**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G116 and NGS Style
Access Cover 3 " Deep.

Location:

North side 335th Street in top
northwest wind dam at bridge
over Sugar Creek.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

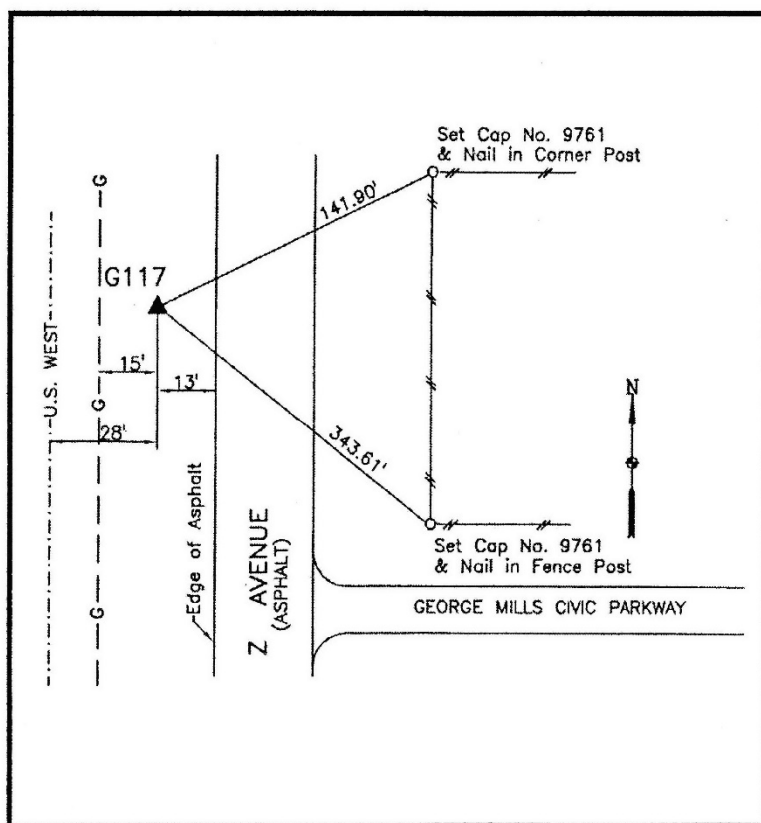
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **117 (Destroyed)**

Designation: G117 (set by WHKS in 2001)



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G117 and NGS Style
Access Cover 3 " Deep.

Location:

West side Z Avenue (South
60th Street, WDM) 0.2 mile
south of 335th Street (George
M. Mills Civic Parkway, WDM).

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **118**

Designation: G118 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°36'00.92316"**

Longitude: **W93°47'27.15582"**

NAVD 88 Ortho Height: **972.251sft**

Ellip. Ht: **870.665sft**

Geoid12B

Iowa South Zone (1402) Northing: **583168.056sft**

Easting: **1560860.135sft**

Mapping Angle: **-0°11'30"**

Combination Scale Factor: **0.99993108**

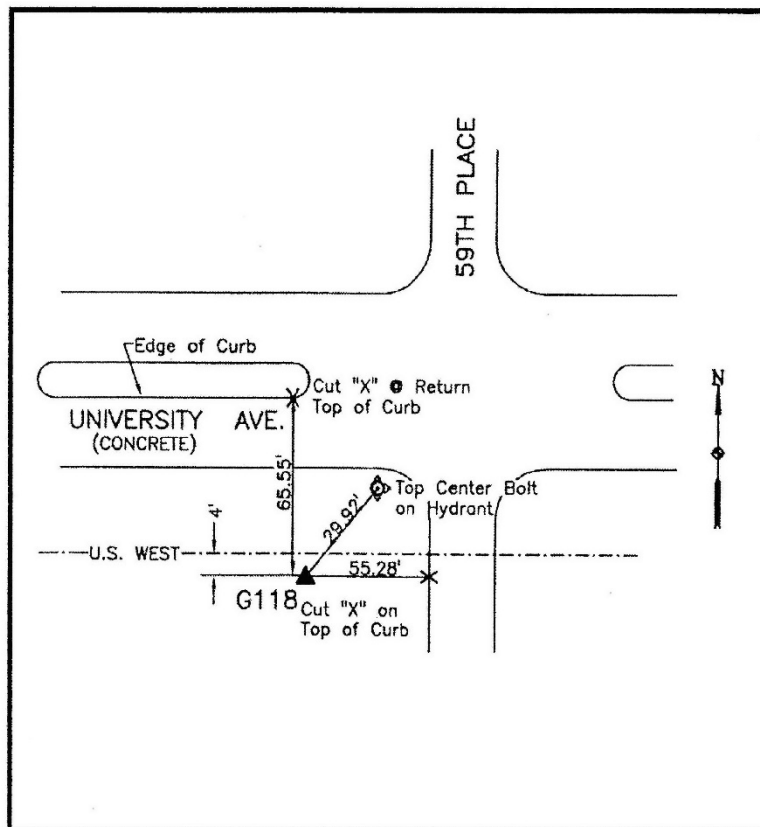
IaRCS Zone 8 Northing: **7491983.657sft**

Easting: **18479701.861sft**

Mapping Angle: **-0°02'57"**

Combination Scale Factor: **0.99999193**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G118 and NGS Style
Access Cover 3 " Deep.

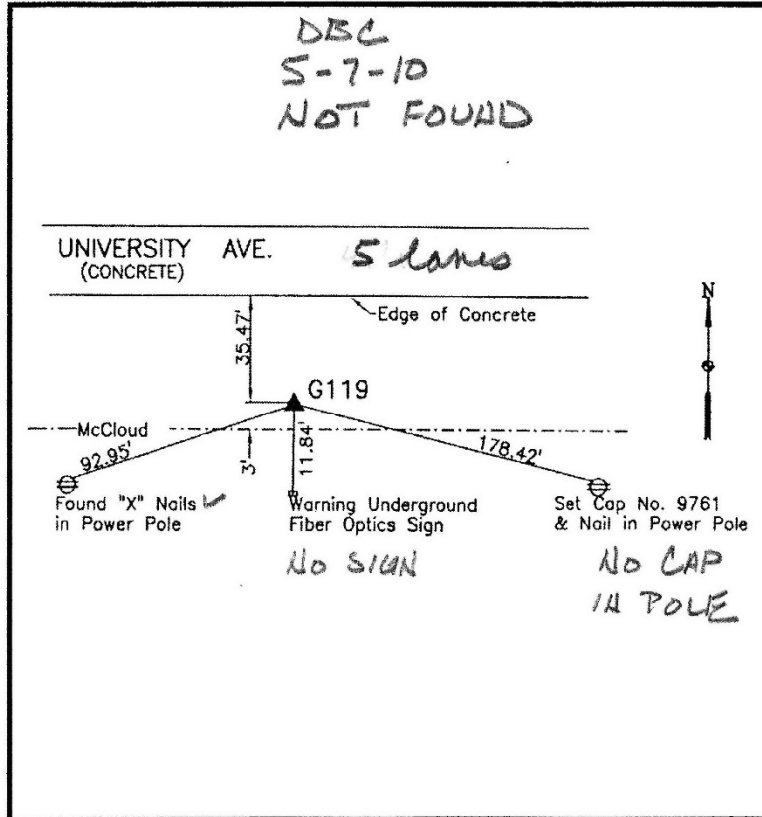
Location:

Southwest corner University
Avenue and 59th Place in City
of West Des Moines.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **119 (Destroyed)**

Designation: G119 (set by WHKS in 2001)



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G119 and NGS Style
Access Cover 4 " Deep.

Location:

South side of University
Avenue 0.2 mile west of Waco
Place in the City of Waukee.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **120**

Designation: G120 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°35'59.54914"**

Longitude: **W93°53'47.96132"**

NAVD 88 Ortho Height: **1011.760sft**

Ellip. Ht: **911.045sft**

Geoid12B

Iowa South Zone (1402) Northing: **583143.325sft**

Easting: **1531928.388sft**

Mapping Angle: **-0°15'41"**

Combination Scale Factor: **0.99992910**

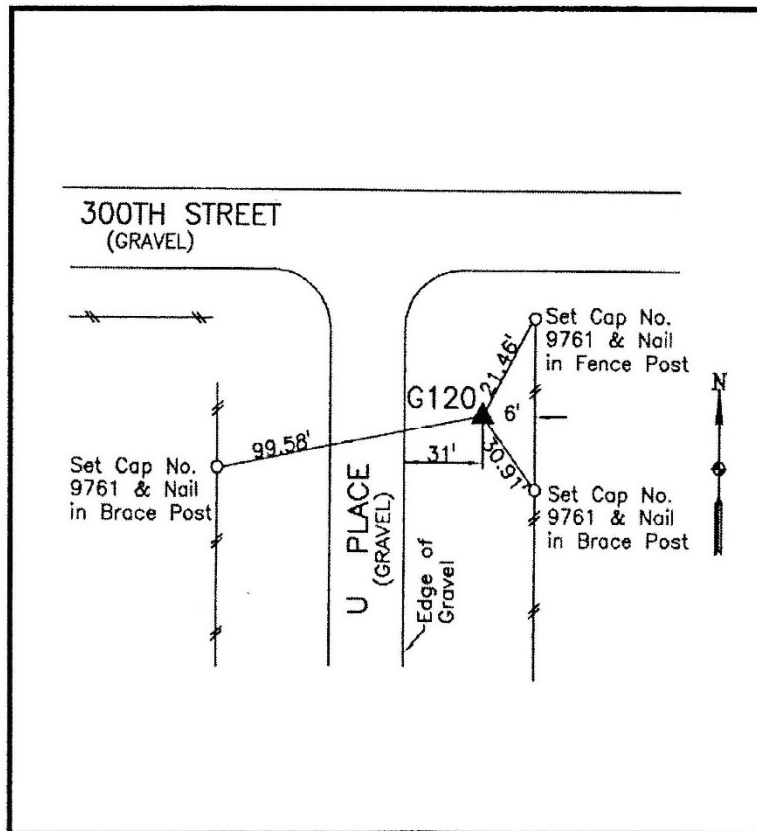
IaRCS Zone 8 Northing: **7491887.190sft**

Easting: **18450768.475sft**

Mapping Angle: **-0°07'10"**

Combination Scale Factor: **0.99999230**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G120 and NGS Style
Access Cover 3 " Deep.

Location:

East side of U Place about 150'
south of 300th Street.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **121**

Designation: G121 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°35'57.78696"**

Longitude: **W93°57'16.48738"**

NAVD 88 Ortho Height: **1032.830sft**

Ellip. Ht: **932.650sft**

Geoid12B

Iowa South Zone (1402) Northing: **583042.486sft**

Easting: **1516084.981sft**

Mapping Angle: **-0°17'58"**

Combination Scale Factor: **0.99992801**

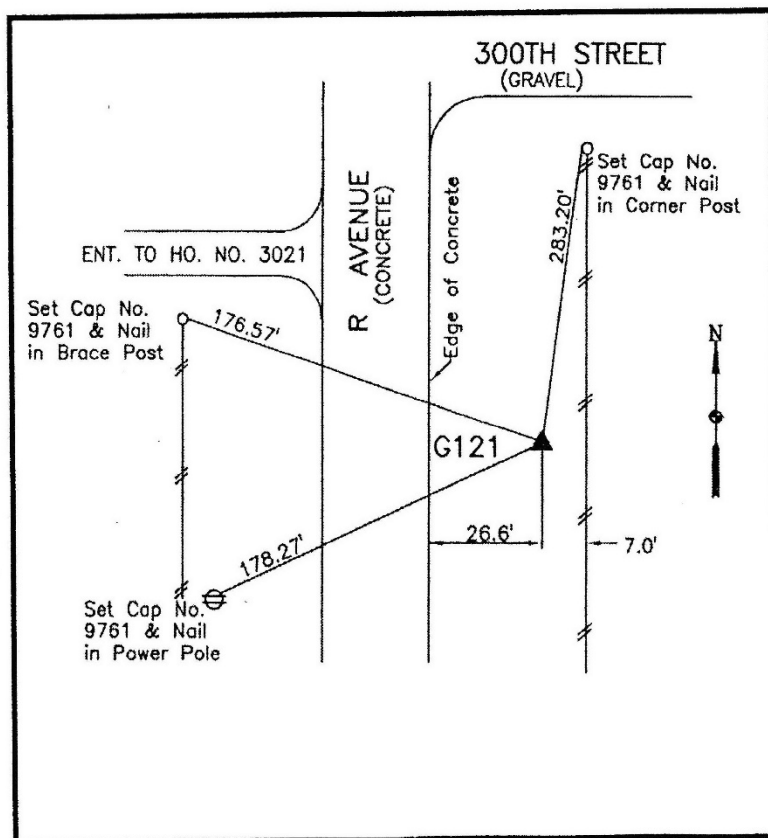
laRCS Zone 8 Northing: **7491747.179sft**

Easting: **18434924.348sft**

Mapping Angle: **-0°09'29"**

Combination Scale Factor: **0.99999334**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G121 and NGS Style
Access Cover 3 " Deep.

Location:

East side R Avenue (R16) 0.1
mile south of 300th Street.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **122 (Reset by DCI in 2017)**

Designation: G122 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°36'01.84766"**

Longitude: **W94°00'46.11023"**

NAVD 88 Ortho Height: **967.841sft**

Ellip. Ht: **868.282sft**

Geoid12B

Iowa South Zone (1402) Northing: **583542.048sft**

Easting: **1500161.540sft**

Mapping Angle: **-0°20'16"**

Combination Scale Factor: **0.99993122**

IaRCS Zone 8

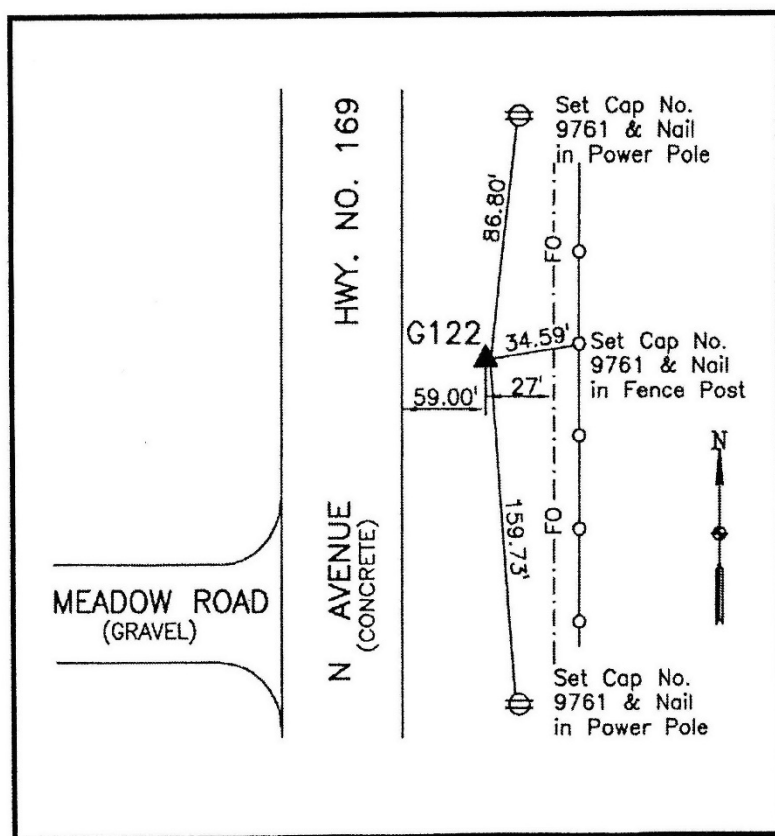
Northing: **7492207.495sft**

Easting: **18418998.663sft**

Mapping Angle: **-0°11'48"**

Combination Scale Factor: **0.99999907**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G122 and NGS Style
Access Cover 2 " Deep.

Location:

East side of N Avenue (Hwy.
169) at intersection of Meadow
Road. Hwy. 169 Station
356+60.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

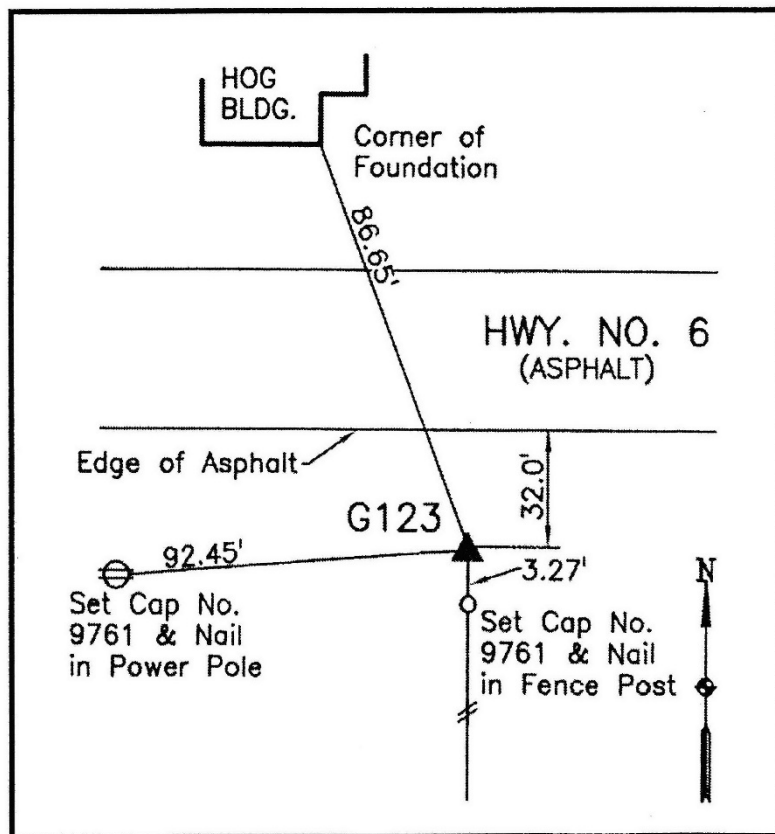
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **123 (Destroyed)**

Designation: G123 (set by WHKS in 2001)



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G123 and NGS Style
Access Cover 1 " Deep.

Location:

South side of Hwy. 6 between
K Avenue and L Avenue.
Monument location is in line
with fence south. Hwy. 6
Station 708+00.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **124**

Designation: G124 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°36'07.14352"**

Longitude: **W94°08'39.70026"**

NAVD 88 Ortho Height: **952.754sft**

Ellip. Ht: **855.082sft**

Geoid12B

Iowa South Zone (1402) Northing: **584317.389sft**

Easting: **1464185.894sft**

Mapping Angle: **-0°25'28"**

Combination Scale Factor: **0.99993203**

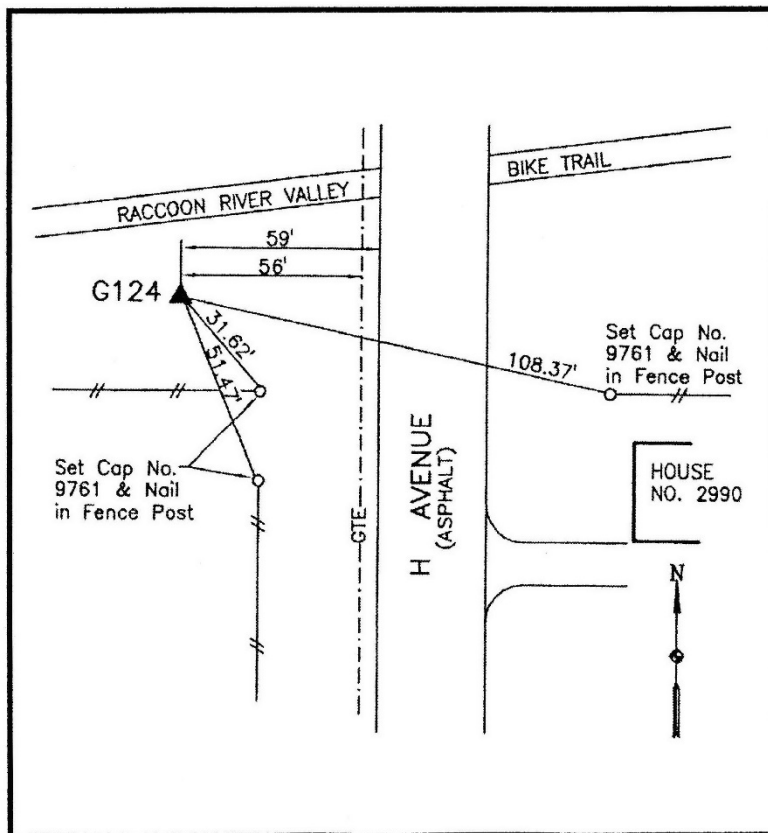
IaRCS Zone 8 Northing: **7492894.462sft**

Easting: **18383018.645sft**

Mapping Angle: **-0°17'02"**

Combination Scale Factor: **1.00000784**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G124 and NGS Style
Access Cover 2 " Deep.

Location:

South side of Raccoon River
Valley Bike Trail at the west
side of the north portion of H
Avenue opposite address 2990
H Avenue.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **125**

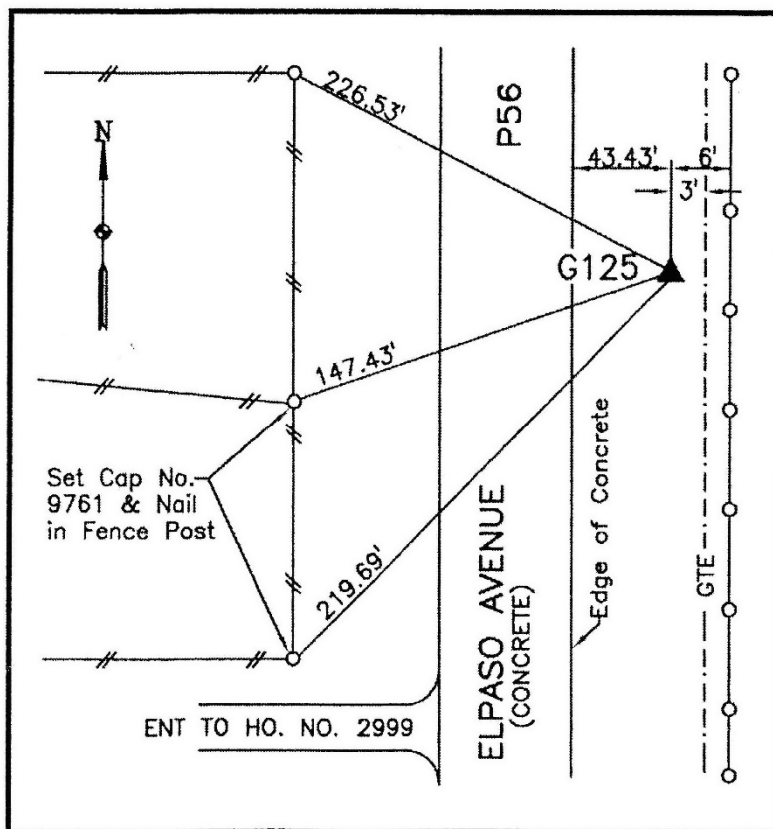
Designation: G125 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°36'08.07656"** Longitude: **W94°11'54.30224"**
NAVD 88 Ortho Height: **1050.988sft** Ellip. Ht: **954.297sft** **Geoid12B**

Iowa South Zone (1402) Northing: **584525.937sft** Easting: **1449402.781sft**
Mapping Angle: **-0°27'36"** Combination Scale Factor: **0.99992733**

IaRCS Zone 8 Northing: **7493066.818sft** Easting: **18368233.915sft**
Mapping Angle: **-0°19'12"** Combination Scale Factor: **1.00000730**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G125 and NGS Style
Access Cover 3 " Deep.

Location:

East side of El Paso Ave. (P46)
0.2 mile south of Linden Road.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **126**

Designation: G126 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°36'16.66243"**

Longitude: **W94°15'51.90030"**

NAVD 88 Ortho Height: **1111.575sft**

Ellip. Ht: **1016.178sft**

Geoid12B

Iowa South Zone (1402) Northing: **585546.714sft**

Easting: **1431360.316sft**

Mapping Angle: **-0°30'13"**

Combination Scale Factor: **0.99992467**

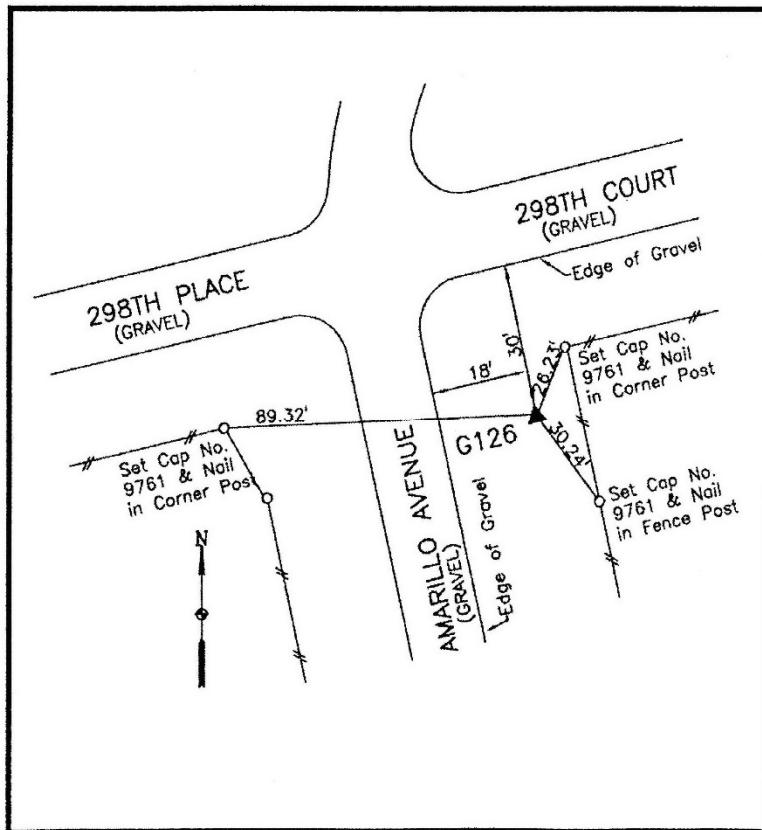
laRCS Zone 8 Northing: **7494043.586sft**

Easting: **18350187.518sft**

Mapping Angle: **-0°21'49"**

Combination Scale Factor: **1.00001016**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G126 and NGS Style
Access Cover 5 " Deep.

Location:

Southeast corner Amarillo
Avenue and 298th Court.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **127**

Designation: G127 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'38.63643"**

Longitude: **W94°16'47.32541"**

NAVD 88 Ortho Height: **1093.812sft**

Ellip. Ht: **999.380sft**

Geoid12B

Iowa South Zone (1402) Northing: **599953.652sft**

Easting: **1427278.722sft**

Mapping Angle: **-0°30'49"**

Combination Scale Factor: **0.99993056**

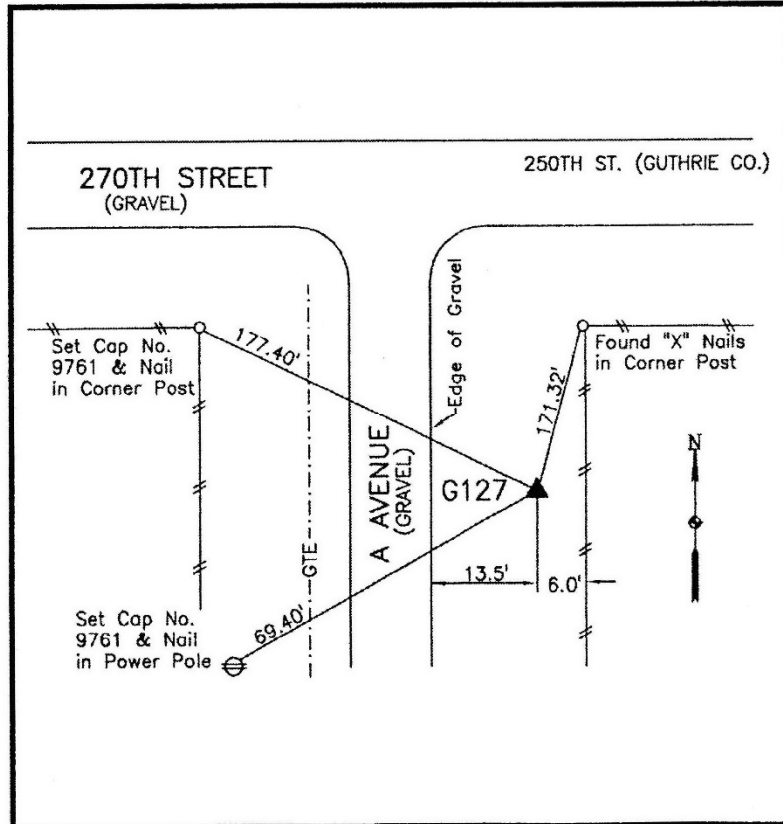
laRCS Zone 8 Northing: **7508441.740sft**

Easting: **18346070.481sft**

Mapping Angle: **-0°22'27"**

Combination Scale Factor: **1.00001239**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G127 and NGS Style
Access Cover 4 " Deep.

Location:

At the west county line. East
side of A Avenue just south of
270th Street.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **128**

Designation: G128 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'36.87004"**

Longitude: **W94°13'18.49954"**

NAVD 88 Ortho Height: **1016.038sft**

Ellip. Ht: **920.525sft**

Geoid12B

Iowa South Zone (1402) Northing: **599638.018sft**

Easting: **1443131.351sft**

Mapping Angle: **-0°28'32"**

Combination Scale Factor: **0.99993425**

laRCS Zone 8

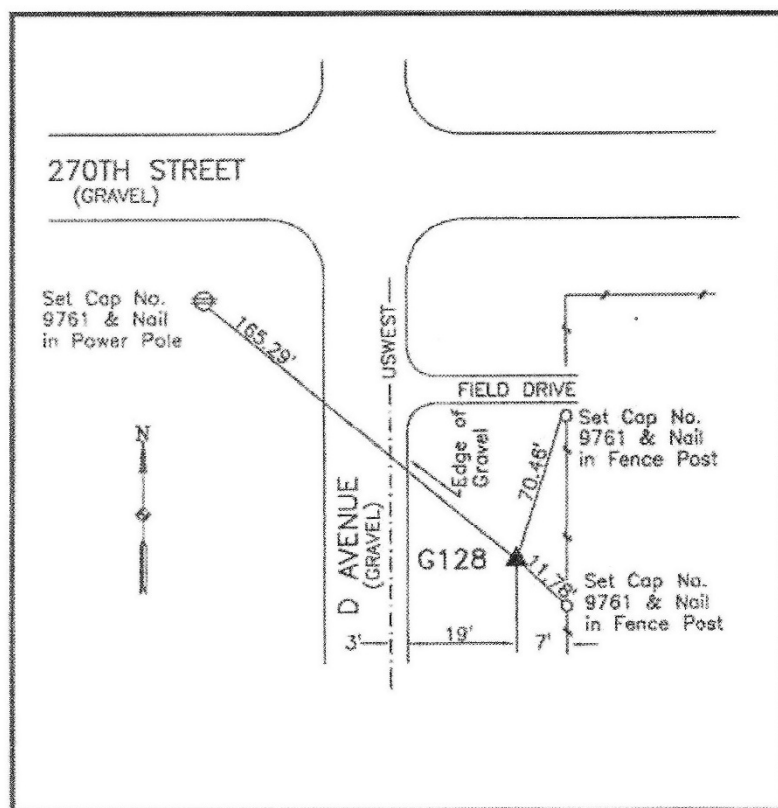
Northing: **7508164.714sft**

Easting: **18361925.087sft**

Mapping Angle: **-0°20'08"**

Combination Scale Factor: **1.00001086**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G128 and NGS Style
Access Cover 4 " Deep.

Location:

East side of D Avenue just
south of 270th Street.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **129**

Designation: G129 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'38.55935"**

Longitude: **W94°09'46.84580"**

NAVD 88 Ortho Height: **1050.418sft**

Ellip. Ht: **953.800sft**

Geoid12B

Iowa South Zone (1402) Northing: **599681.085sft**

Easting: **1459201.671sft**

Mapping Angle: **-0°26'12"**

Combination Scale Factor: **0.99993273**

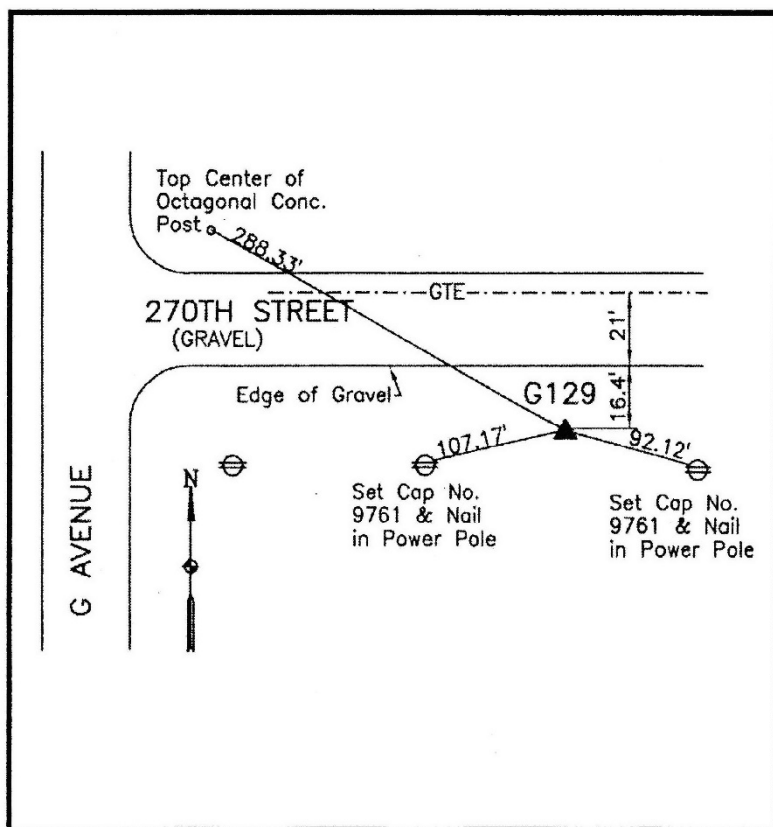
laRCS Zone 8 Northing: **7508247.041sft**

Easting: **18377996.445sft**

Mapping Angle: **-0°17'48"**

Combination Scale Factor: **1.00000450**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G129 and NGS Style Access Cover 3 " Deep.

Location:

South side 270th Street just east of G Avenue.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **130**

Designation: G130 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'38.23594"**

Longitude: **W94°06'29.96656"**

NAVD 88 Ortho Height: **953.982sft**

Ellip. Ht: **856.354sft**

Geoid12B

Iowa South Zone (1402) Northing: **599539.115sft**

Easting: **1474148.726sft**

Mapping Angle: **-0°24'03"**

Combination Scale Factor: **0.99993736**

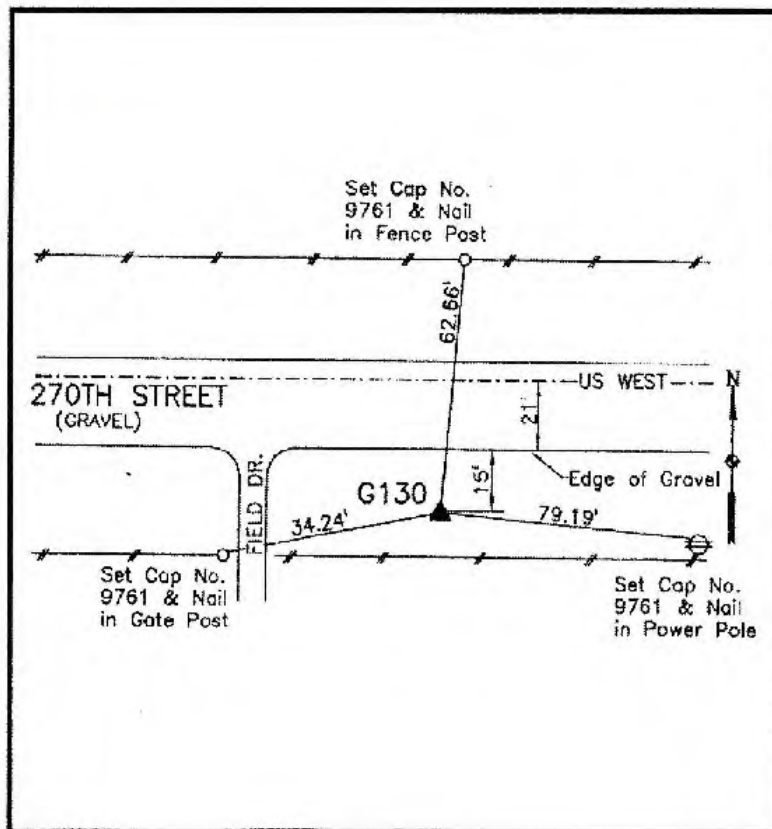
IaRCS Zone 8 Northing: **7508141.661sft**

Easting: **18392944.847sft**

Mapping Angle: **-0°15'37"**

Combination Scale Factor: **1.00000523**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G130 and NGS Style
Access Cover 2 " Deep.

Location:

South side 270th Street, east
side of field entrance 0.2 mile
west of J Avenue.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **131**

Designation: G131 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'37.61187"**

Longitude: **W94°02'51.49742"**

NAVD 88 Ortho Height: **954.909sft**

Ellip. Ht: **856.306sft**

Geoid12B

Iowa South Zone (1402) Northing: **599365.734sft**

Easting: **1490734.840sft**

Mapping Angle: **-0°21'39"**

Combination Scale Factor: **0.99993734**

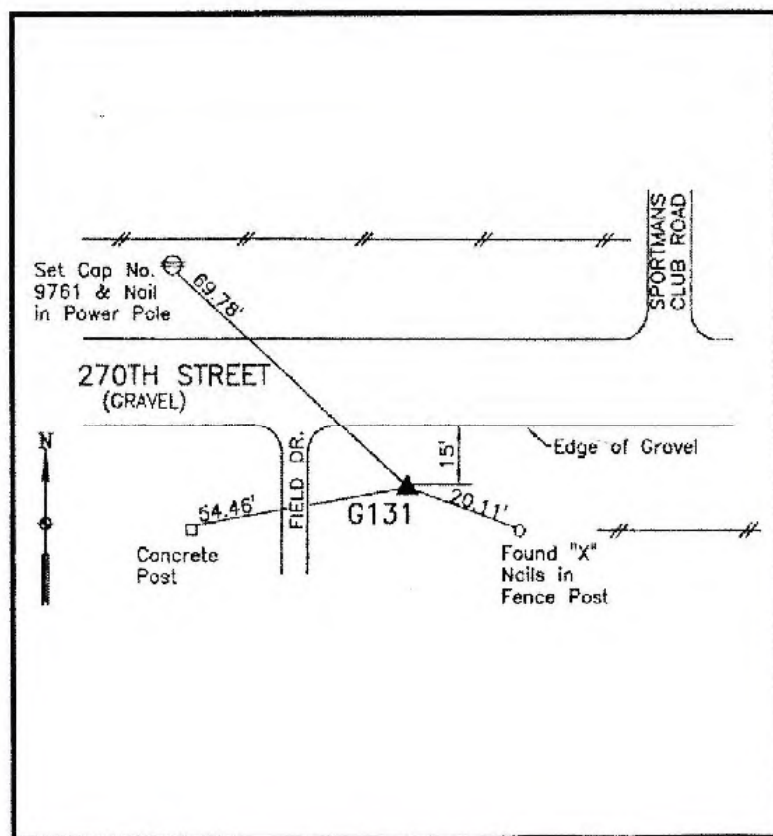
IaRCS Zone 8 Northing: **7508008.979sft**

Easting: **18409532.431sft**

Mapping Angle: **-0°13'12"**

Combination Scale Factor: **1.00000149**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G131 and NGS Style
Access Cover 1 " Deep.

Location:

South side 270th Street, east
side of field entrance mile west
of Sportsmans Club Road.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **132**

Designation: G132 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'37.83703"**

Longitude: **W93°59'19.89461"**

NAVD 88 Ortho Height: **1004.412sft**

Ellip. Ht: **905.045sft**

Geoid12B

Iowa South Zone (1402) Northing: **599292.805sft**

Easting: **1506800.291sft**

Mapping Angle: **-0°19'19"**

Combination Scale Factor: **0.99993503**

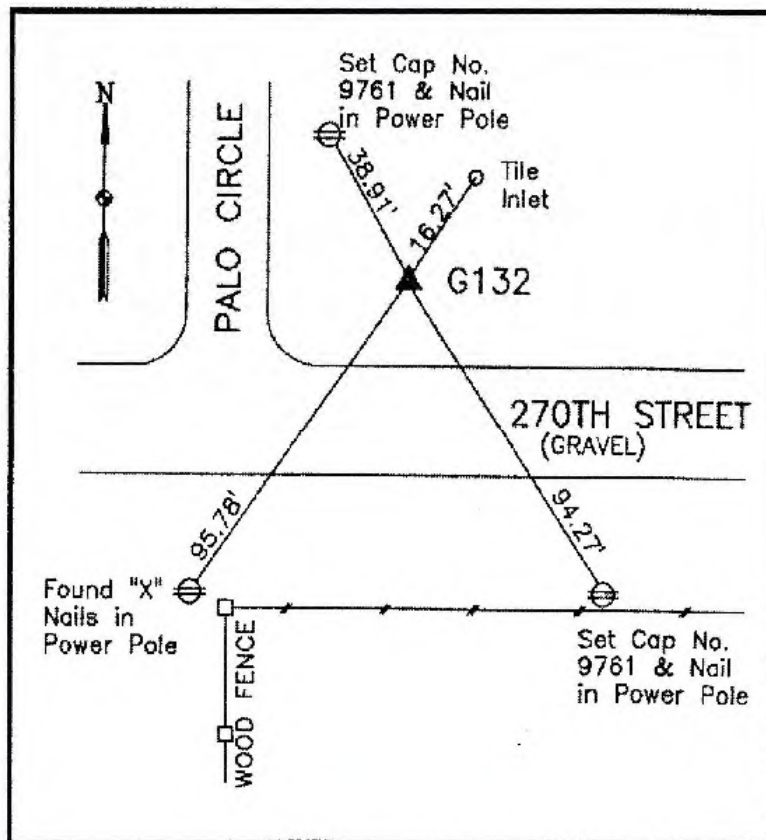
laRCS Zone 8 Northing: **7507975.575sft**

Easting: **18425599.018sft**

Mapping Angle: **-0°10'51"**

Combination Scale Factor: **0.99999614**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G132 and NGS Style
Access Cover 3 " Deep.

Location:

Northeast corner of 270th
Street and Palo Circle.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **133**

Designation: G133 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'47.23764"**

Longitude: **W93°55'51.29133"**

NAVD 88 Ortho Height: **1039.162sft**

Ellip. Ht: **939.190sft**

Geoid12B

Iowa South Zone (1402) Northing: **600160.562sft**

Easting: **1522642.641sft**

Mapping Angle: **-0°17'02"**

Combination Scale Factor: **0.99993375**

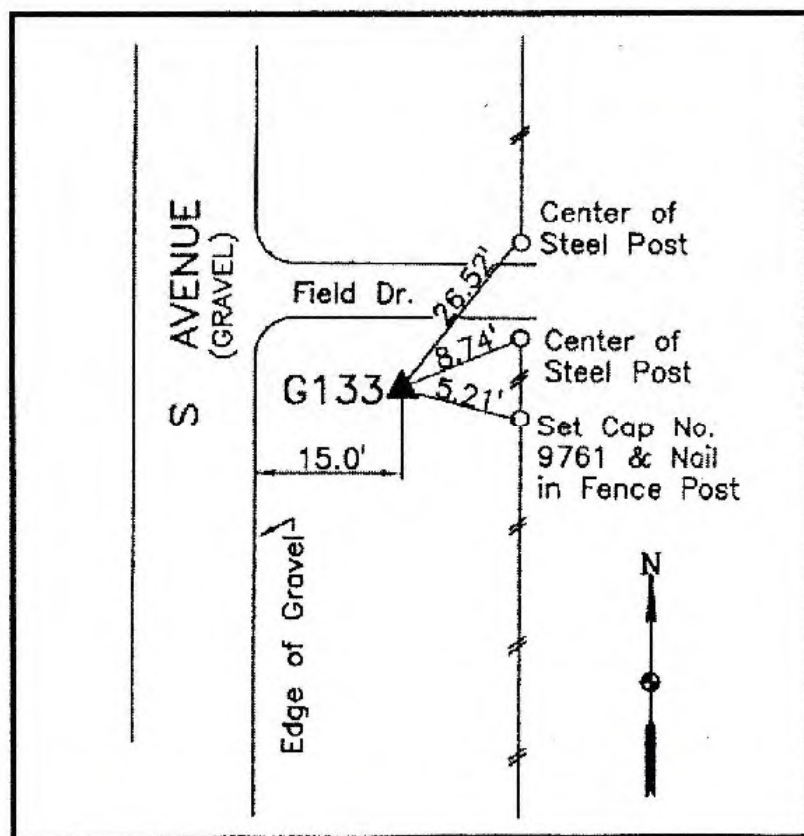
laRCS Zone 8 Northing: **7508882.455sft**

Easting: **18441440.125sft**

Mapping Angle: **-0°08'33"**

Combination Scale Factor: **0.99999210**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G133 and NGS Style
Access Cover 1 " Deep.

Location:

East side of S Ave. 0.2 mile
north of 270th Street. Near
south edge of field entrance.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **134**

Designation: G134 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°38'33.63619"**

Longitude: **W93°52'19.54059"**

NAVD 88 Ortho Height: **1018.839sft**

Ellip. Ht: **918.238sft**

Geoid12B

Iowa South Zone (1402) Northing: **598709.666sft**

Easting: **1538712.761sft**

Mapping Angle: **-0°14'42"**

Combination Scale Factor: **0.99993424**

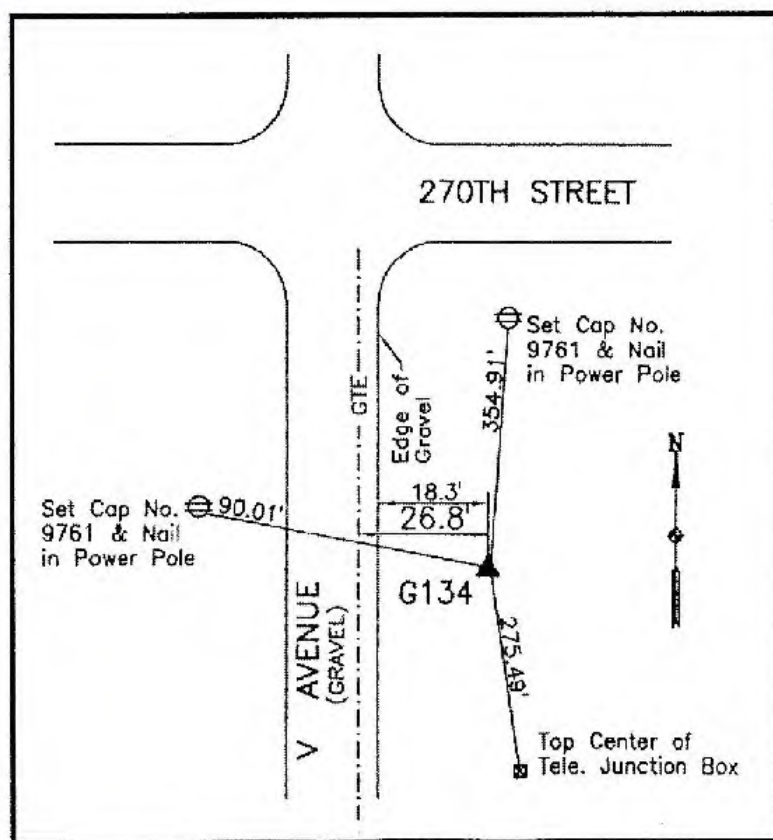
IaRCS Zone 8 Northing: **7507471.210sft**

Easting: **18457514.709sft**

Mapping Angle: **-0°06'12"**

Combination Scale Factor: **0.99999125**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G134 and NGS Style
Access Cover 1" Deep.

Location:

East side of V Avenue (Warrior
Lane, Waukee) 0.1 mile south
of 270th Street (Meredith Drive,
Urbandale) near south edge of
field entrance.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

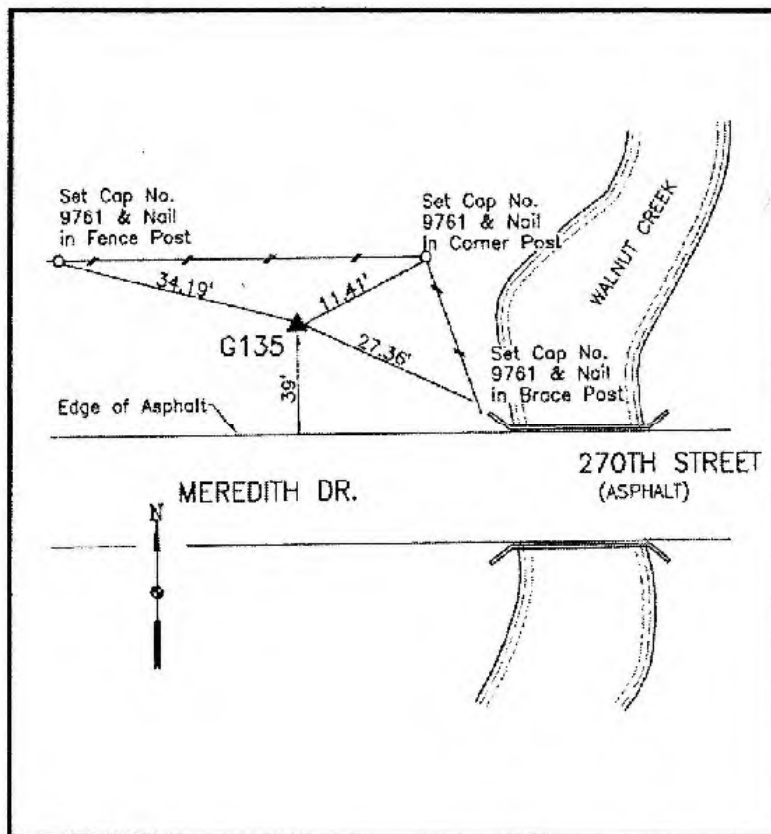
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **135 (Destroyed)**

Designation: G135 (set by WHKS in 2001)



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G135 and NGS Style
Access Cover 7 " Deep.

Location:

North side of 270th Street
(Meredith Drive, Urbandale) on
northwest wing dam of bridge
over Walnut Creek.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **136**

Designation: G136 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'18.97754"**

Longitude: **W93°48'53.01930"**

NAVD 88 Ortho Height: **999.673sft**

Ellip. Ht: **898.931sft**

Geoid12B

Iowa South Zone (1402) Northing: **615383.173sft**

Easting: **1554453.259sft**

Mapping Angle: **-0°12'26"**

Combination Scale Factor: **0.99994166**

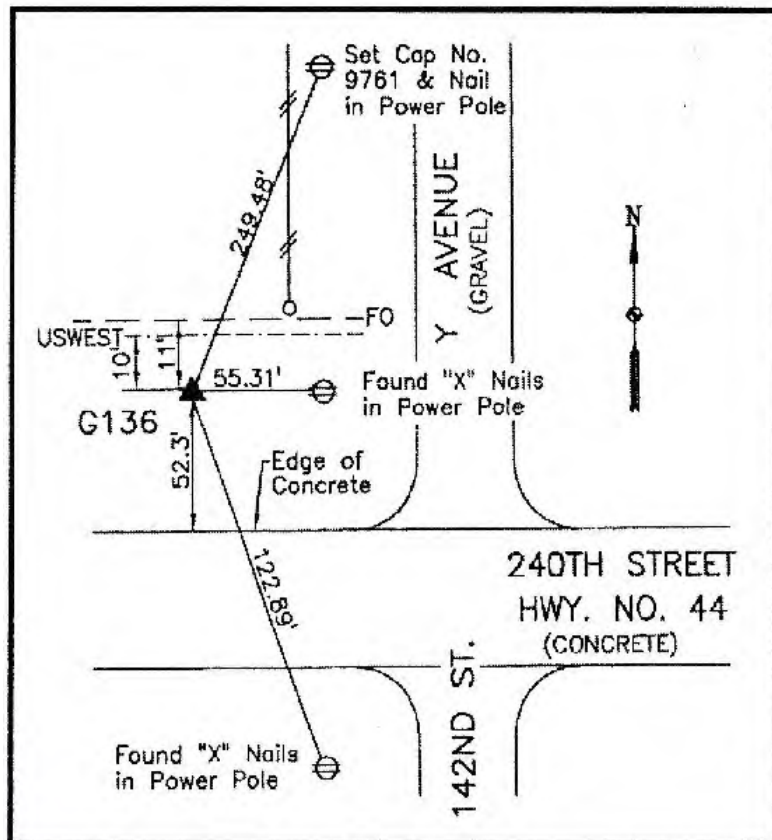
IaRCS Zone 8 Northing: **7524184.551sft**

Easting: **18473214.684sft**

Mapping Angle: **-0°03'55"**

Combination Scale Factor: **0.99999093**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G136 and NGS Style
Access Cover 4 " Deep.

Location:

Northwest corner of the
intersection of Y Avenue with
240th Street (Hwy. 44) at the
west county line.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **137**

Designation: G137 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'19.17443"**

Longitude: **W93°52'20.17909"**

NAVD 88 Ortho Height: **967.370sft**

Ellip. Ht: **867.219sft**

Geoid12B

Iowa South Zone (1402) Northing: **615465.170sft**

Easting: **1538735.994sft**

Mapping Angle: **-0°14'43"**

Combination Scale Factor: **0.99994318**

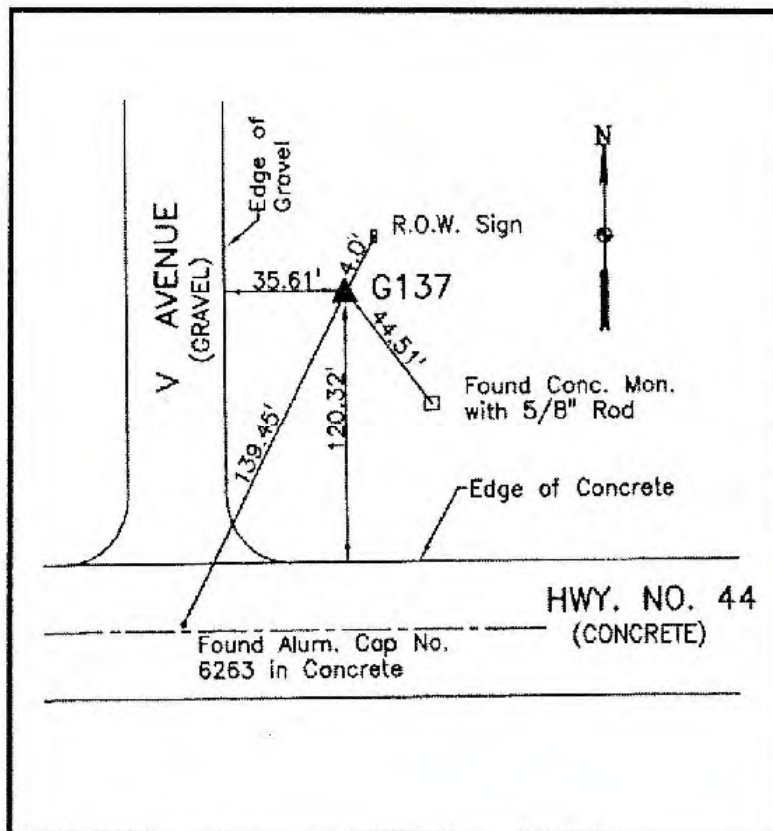
IaRCS Zone 8 Northing: **7524227.622sft**

Easting: **18457496.481sft**

Mapping Angle: **-0°06'13"**

Combination Scale Factor: **0.99999368**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G137 and NGS Style
Access Cover 3 " Deep.

Location:

Northeast corner of the
intersection of V Avenue with
240th Street (Hwy. 44) near
IDOT ROW sign.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **138**

Designation: G138 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'22.45297"**

Longitude: **W93°55'51.63722"**

NAVD 88 Ortho Height: **1046.592sft**

Ellip. Ht: **947.099sft**

Geoid12B

Iowa South Zone (1402) Northing: **615871.097sft**

Easting: **1522694.228sft**

Mapping Angle: **-0°17'02"**

Combination Scale Factor: **0.99993951**

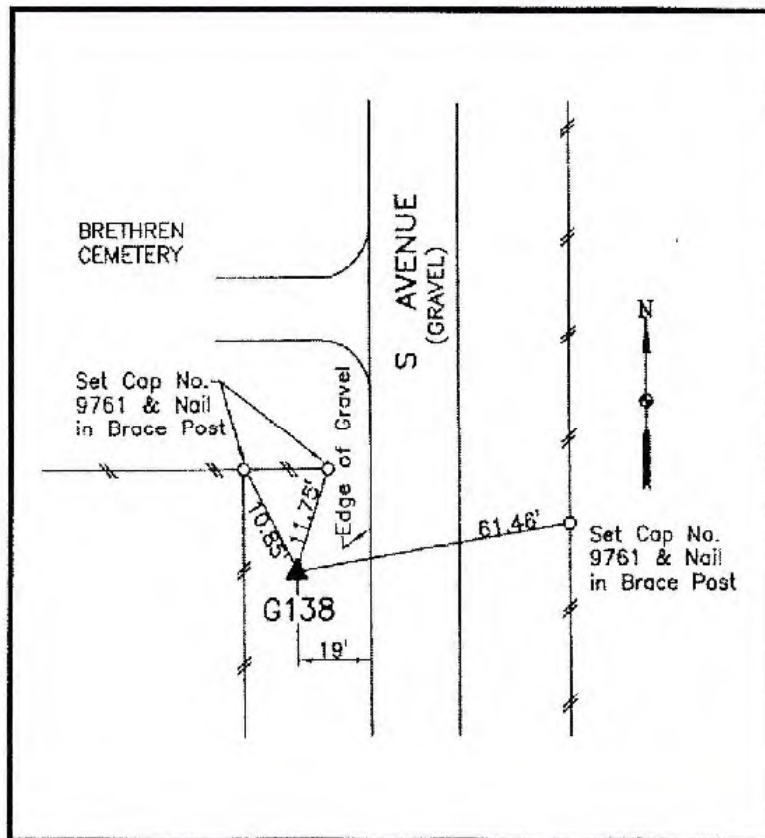
IaRCS Zone 8 Northing: **7524593.939sft**

Easting: **18441452.939sft**

Mapping Angle: **-0°08'33"**

Combination Scale Factor: **0.99999172**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G138 and NGS Style
Access Cover 2 " Deep.

Location:

West side of S Avenue near
southeast corner of Brethren
Cemetery, 0.1 mile north of
240th Street (Hwy. 44).

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **139**

Designation: G139 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'17.08202"** Longitude: **W93°59'37.51569"**

NAVD 88 Ortho Height: **1045.655sft** Ellip. Ht: **946.923sft** **Geoid12B**

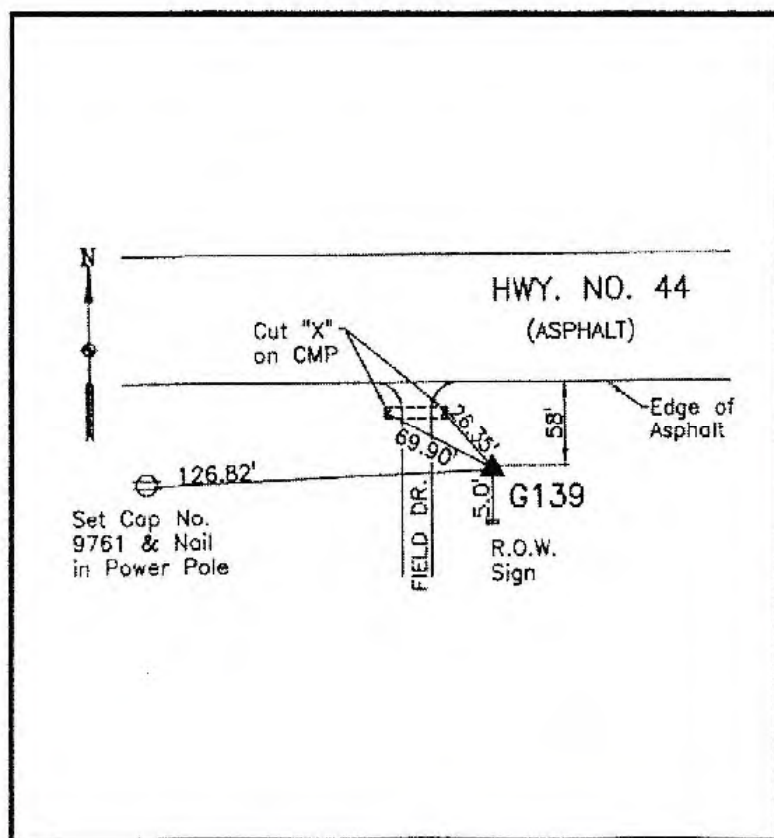
Iowa South Zone (1402) Northing: **615418.563sft** Easting: **1505553.956sft**

Mapping Angle: **-0°19'31"** Combination Scale Factor: **0.99993929**

IaRCS Zone 8 Northing: **7524099.154sft** Easting: **18424312.915sft**

Mapping Angle: **-0°11'03"** Combination Scale Factor: **0.99999436**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G139 and NGS Style
Access Cover 4 " Deep.

Location:

South side of 240th Street
(Hwy. 44) near IDOT ROW
sign between address 2476
(Moss Bros. Inc.) and address
2514. Hwy. 44 Station 783+20
at east side of field entrance.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **140**

Designation: G140 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'14.30551"**

Longitude: **W94°02'52.06593"**

NAVD 88 Ortho Height: **1009.545sft**

Ellip. Ht: **911.589sft**

Geoid12B

Iowa South Zone (1402) Northing: **615225.908sft**

Easting: **1490791.561sft**

Mapping Angle: **-0°21'39"**

Combination Scale Factor: **0.99994087**

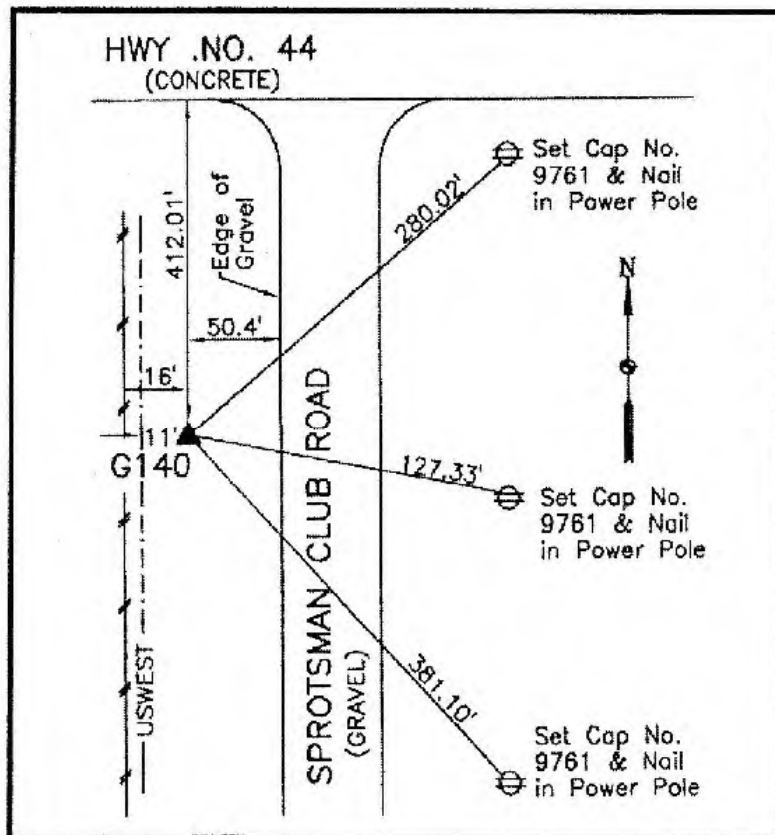
IaRCS Zone 8 Northing: **7523870.214sft**

Easting: **18409550.204sft**

Mapping Angle: **-0°13'13"**

Combination Scale Factor: **0.99999885**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G140 and NGS Style
Access Cover 2 " Deep.

Location:

West side Sportsman Club
Road 0.1 mile south of 240th
Street (Hwy. 44).

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **141**

Designation: G141 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'18.72304"**

Longitude: **W94°06'21.82829"**

NAVD 88 Ortho Height: **1016.044sft**

Ellip. Ht: **919.124sft**

Geoid12B

Iowa South Zone (1402) Northing: **615778.594sft**

Easting: **1474879.777sft**

Mapping Angle: **-0°23'57"**

Combination Scale Factor: **0.99994069**

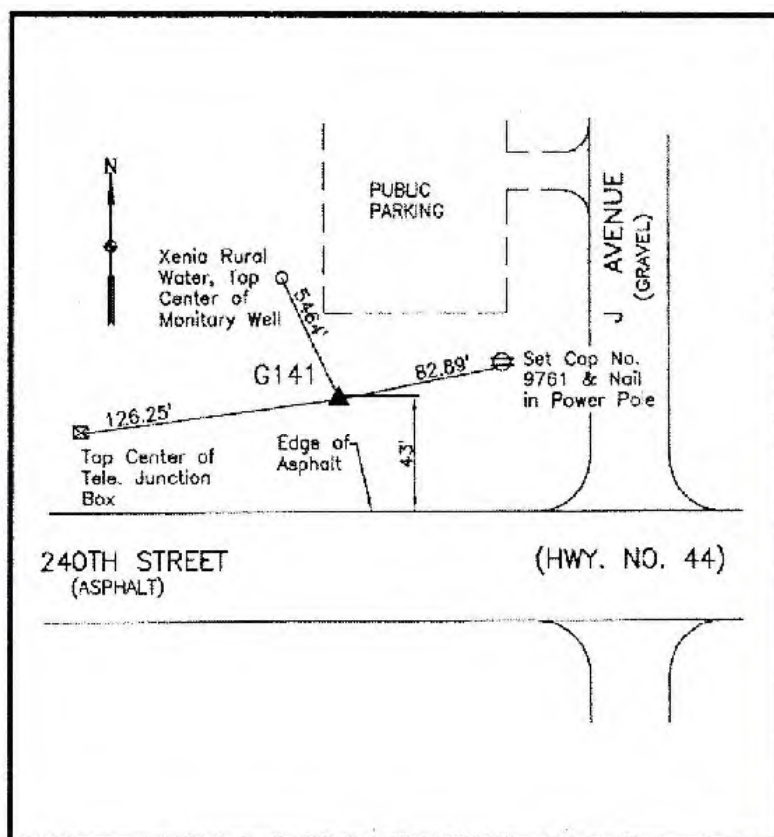
IaRCS Zone 8 Northing: **7524383.932sft**

Easting: **18393636.163sft**

Mapping Angle: **-0°15'32"**

Combination Scale Factor: **1.00000207**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G141 and NGS Style Access Cover 5 " Deep.

Location:

Northwest corner of intersection of 240th Street (Hwy. 44) and J Avenue (P58) near southwest corner of public parking area.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **142**

Designation: G142 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'17.57738"**

Longitude: **W94°09'45.95775"**

NAVD 88 Ortho Height: **990.193sft**

Ellip. Ht: **894.337sft**

Geoid12B

Iowa South Zone (1402) Northing: **615775.594sft**

Easting: **1459391.730sft**

Mapping Angle: **-0°26'12"**

Combination Scale Factor: **0.99994182**

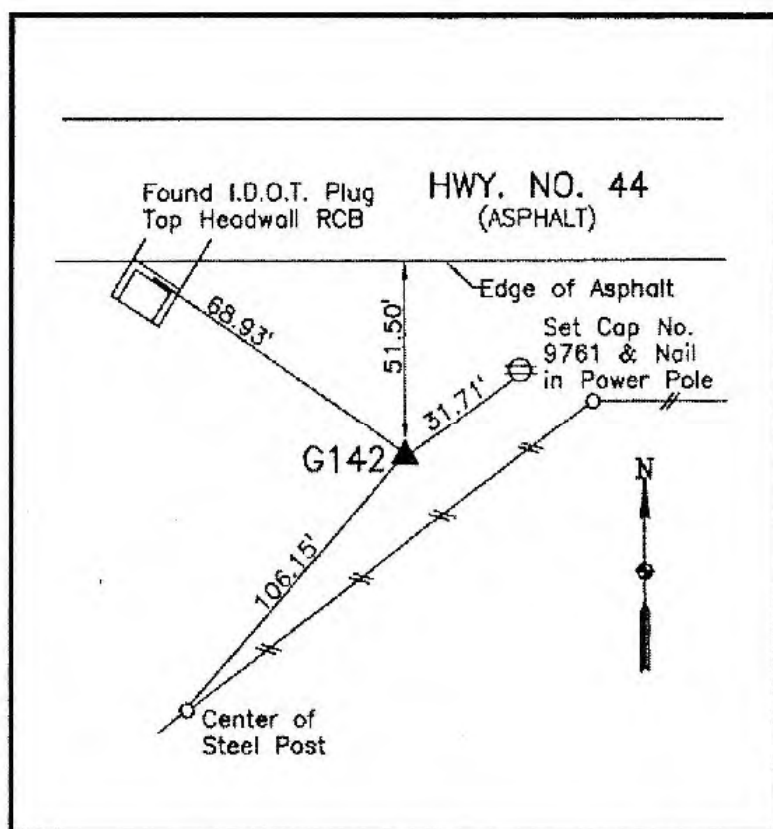
IaRCS Zone 8 Northing: **7524343.071sft**

Easting: **18378147.189sft**

Mapping Angle: **-0°17'48"**

Combination Scale Factor: **1.00000729**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G142 and NGS Style
Access Cover 5" Deep.

Location:

South side 240th Street (Hwy.
44) 400± feet east of G Avenue
near bend in fence along south
road right of way. Hwy. 44
Station 321+30.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **143**

Designation: G143 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'20.41492"**

Longitude: **W94°13'18.62576"**

NAVD 88 Ortho Height: **1031.138sft**

Ellip. Ht: **936.411sft**

Geoid12B

Iowa South Zone (1402) Northing: **616191.218sft**

Easting: **1443259.140sft**

Mapping Angle: **-0°28'32"**

Combination Scale Factor: **0.99993993**

laRCS Zone 8

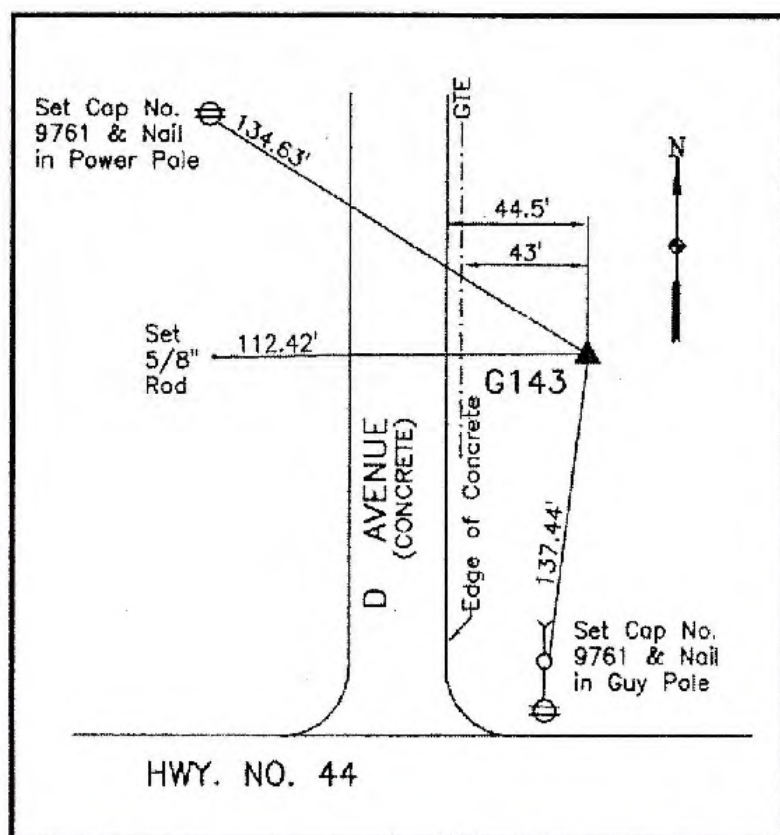
Northing: **7524719.391sft**

Easting: **18362012.540sft**

Mapping Angle: **-0°20'10"**

Combination Scale Factor: **1.00001008**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G143 and NGS Style
Access Cover 3 " Deep.

Location:

East side of D Avenue (P46)
just north of 240th Street (Hwy.
44).

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **144**

Designation: G144 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°41'16.89270"**

Longitude: **W94°16'49.40668"**

NAVD 88 Ortho Height: **1008.829sft**

Ellip. Ht: **915.105sft**

Geoid12B

Iowa South Zone (1402) Northing: **615972.811sft**

Easting: **1427264.423sft**

Mapping Angle: **-0°30'51"**

Combination Scale Factor: **0.99994080**

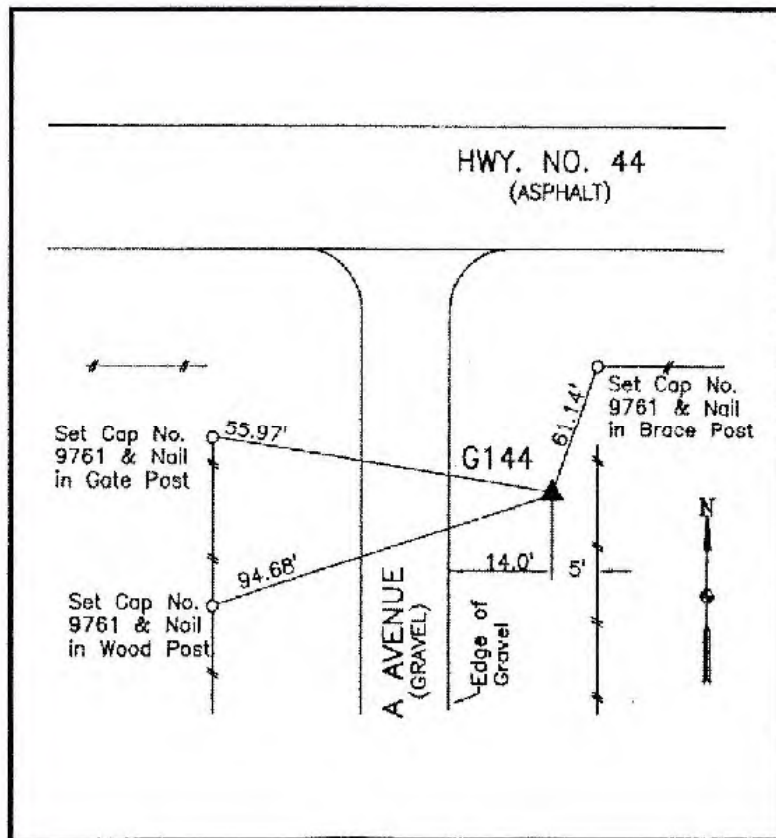
IaRCS Zone 8 Northing: **7524462.078sft**

Easting: **18346017.237sft**

Mapping Angle: **-0°22'30"**

Combination Scale Factor: **1.00001643**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G144 and NGS Style
Access Cover 3 " Deep.

Location:

Southeast corner of
intersection of 240th Street
(Hwy. 44) and A Avenue.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **145**

Designation: G145 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'53.87388"**

Longitude: **W94°16'49.48168"**

NAVD 88 Ortho Height: **1033.715sft**

Ellip. Ht: **940.668sft**

Geoid12B

Iowa South Zone (1402) Northing: **631861.770sft**

Easting: **1427401.292sft**

Mapping Angle: **-0°30'51"**

Combination Scale Factor: **0.99994635**

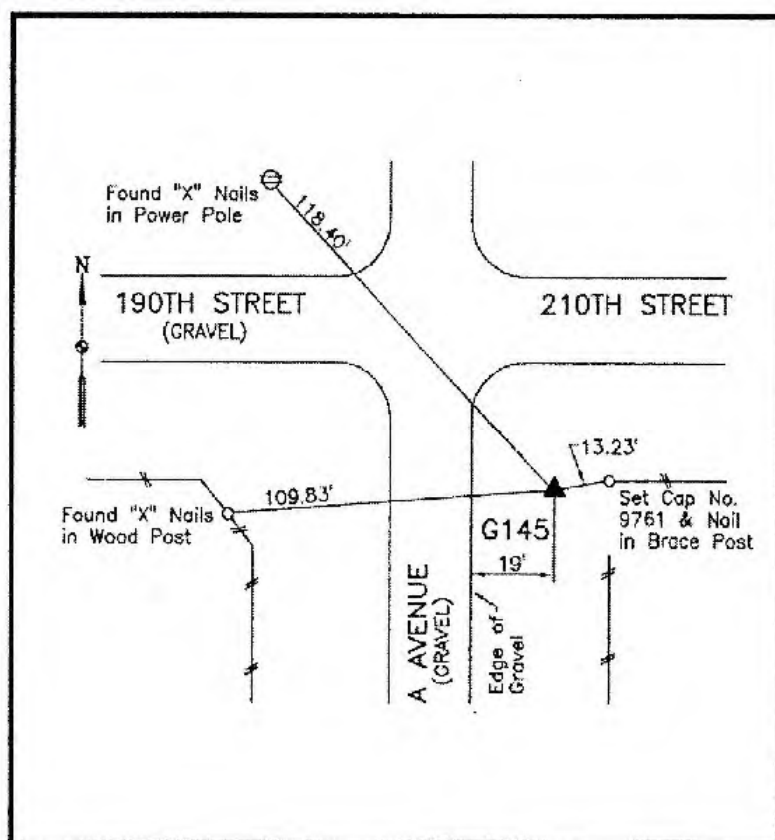
IaRCS Zone 8 Northing: **7540352.471sft**

Easting: **18346115.577sft**

Mapping Angle: **-0°22'31"**

Combination Scale Factor: **1.00001517**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G145 and NGS Style
Access Cover 5 " Deep.

Location:

Southeast corner of
intersection of 210th Street
(F31) and A Avenue in Section
19, T80N, R29W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

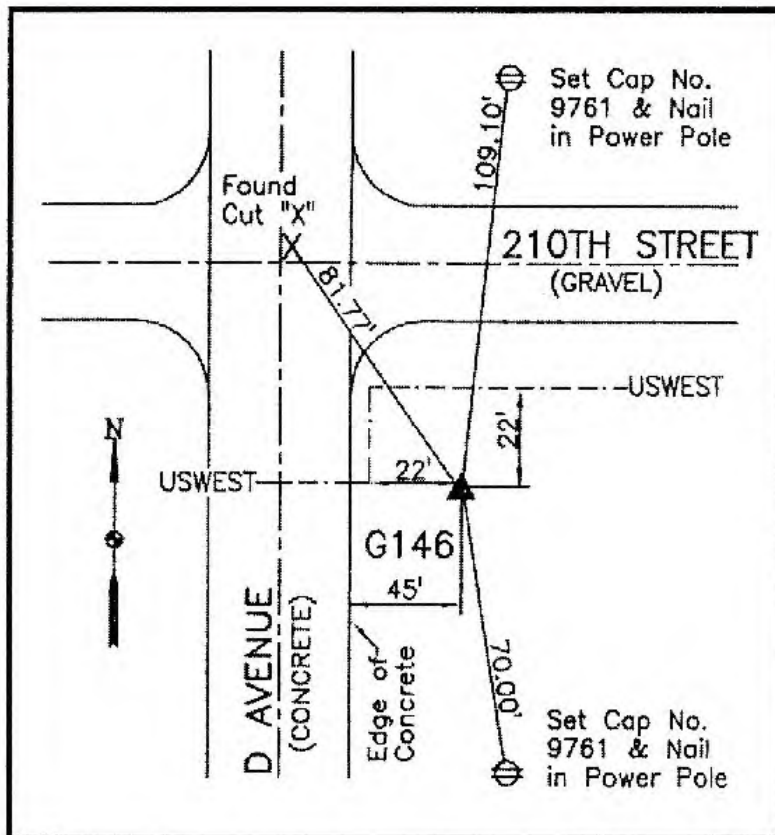
Point Name: **146 (Reset by DCI in 2017)**
Designation: G146 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'53.94780"** Longitude: **W94°13'18.46508"**
NAVD 88 Ortho Height: **1041.883sft** Ellip. Ht: **947.871sft** Geoid**12B**

Iowa South Zone (1402) Northing: **631731.097**sft Easting: **1443400.287**sft
Mapping Angle: **-0°28'32"** Combination Scale Factor: **0.99994601**

laRCS Zone 8 Northing: **7540260.607sft** Easting: **18362115.899sft**
Mapping Angle: **-0°20'10"** Combination Scale Factor: **1.00000950**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G146 and NGS Style
Access Cover 3 " Deep.

Location:

Southeast corner of
intersection of 210th Street
(F31) and D Avenue in Section
22, T80N, R29W

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **147**

Designation: G147 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'54.72452"**

Longitude: **W94°09'46.01282"**

NAVD 88 Ortho Height: **1000.173sft**

Ellip. Ht: **905.098sft**

Geoid12B

Iowa South Zone (1402) Northing: **631681.511sft**

Easting: **1459508.752sft**

Mapping Angle: **-0°26'12"**

Combination Scale Factor: **0.99994808**

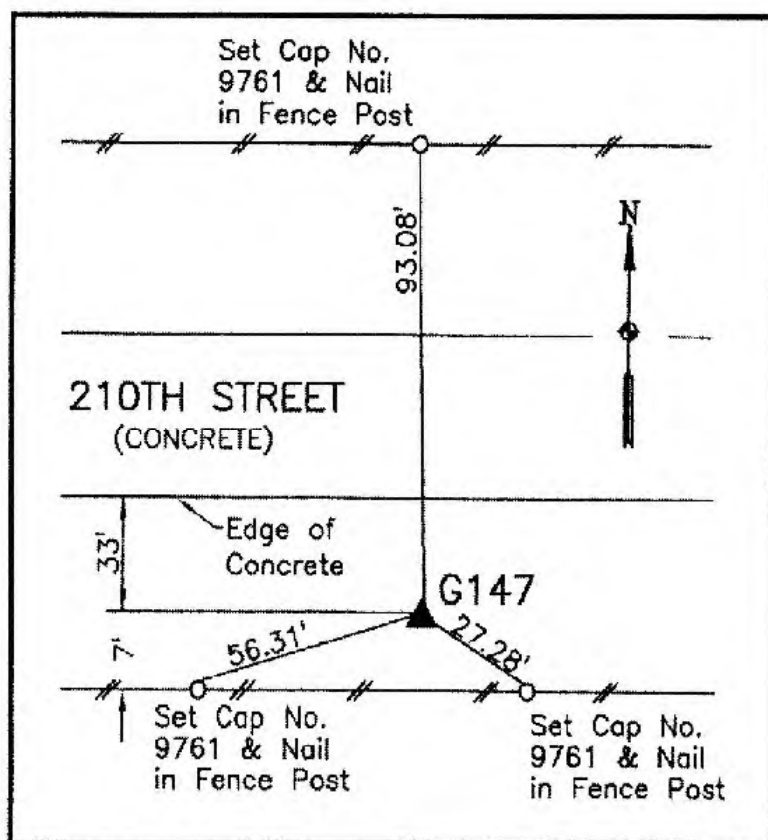
laRCS Zone 8 Northing: **7540250.215sft**

Easting: **18378225.421sft**

Mapping Angle: **-0°17'49"**

Combination Scale Factor: **1.00000676**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G147 and NGS Style
Access Cover 3" Deep.

Location:

South side of 210th Street
(F31) 0.6 mile east of Fillmore
Lane in Section 19, T80N,
R28W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **148**

Designation: G148 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'53.63771"**

Longitude: **W94°06'22.47079"**

NAVD 88 Ortho Height: **1002.272sft**

Ellip. Ht: **906.134sft**

Geoid12B

Iowa South Zone (1402) Northing: **631458.931sft**

Easting: **1474940.317sft**

Mapping Angle: **-0°23'58"**

Combination Scale Factor: **0.99994798**

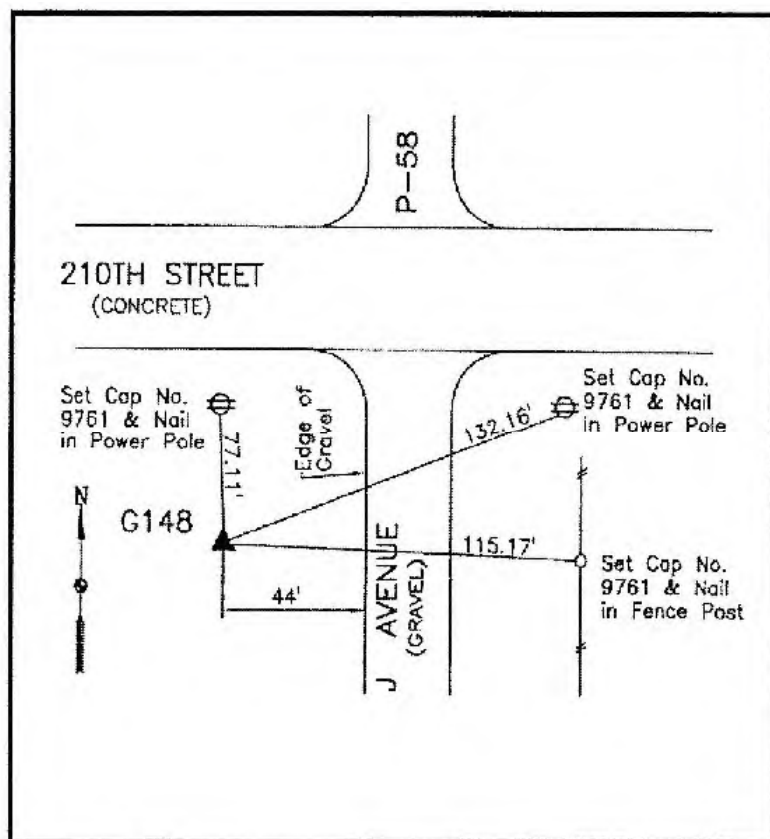
IaRCS Zone 8 Northing: **7540065.282sft**

Easting: **18393658.357sft**

Mapping Angle: **-0°15'34"**

Combination Scale Factor: **1.00000268**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G148 and NGS Style
Access Cover 3 " Deep.

Location:

West side J Avenue (P58) just
south of 210th Street (F31) in
Section 21, T80N, R28W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **149**

Designation: G149 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'55.10537"**

Longitude: **W94°02'41.45994"**

NAVD 88 Ortho Height: **1030.712sft**

Ellip. Ht: **933.463sft**

Geoid12B

Iowa South Zone (1402) Northing: **631496.606sft**

Easting: **1491698.201sft**

Mapping Angle: **-0°21'32"**

Combination Scale Factor: **0.99994674**

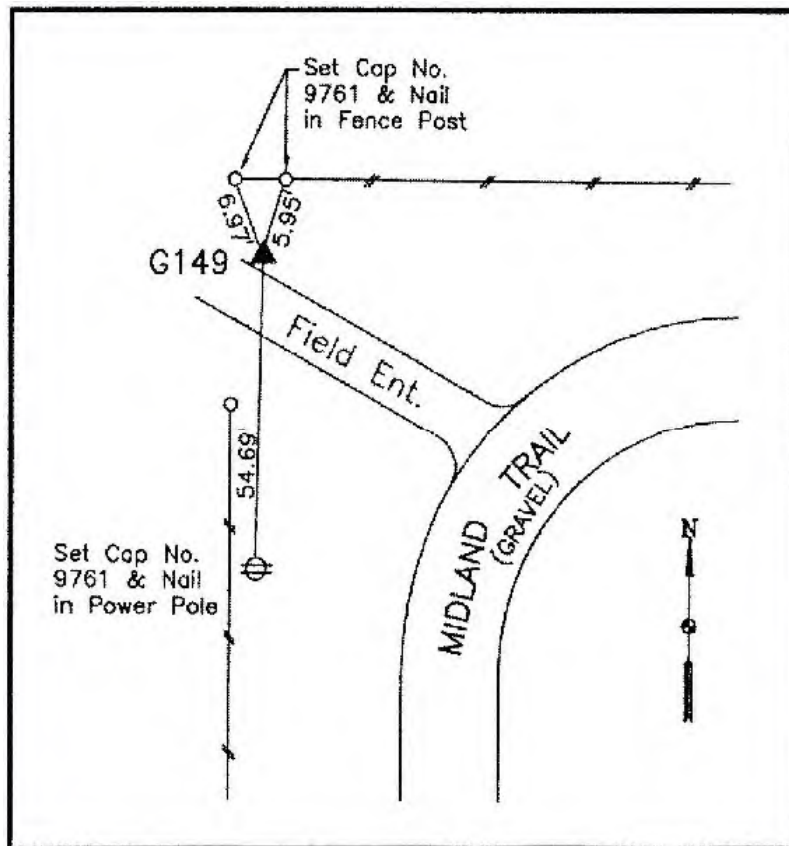
IaRCS Zone 8 Northing: **7540143.974sft**

Easting: **18410416.983sft**

Mapping Angle: **-0°13'06"**

Combination Scale Factor: **0.99999763**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G149 and NGS Style Access Cover 3 " Deep.

Location:

Near fence corner at Northwest corner of curve in Midland Trail 0.4 mile west of intersection of Midland Trail and 210th Place (Street) in Section 18, T80N, R27W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **150**

Designation: G150 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'57.52834"**

Longitude: **W93°59'21.46487"**

NAVD 88 Ortho Height: **1018.602sft**

Ellip. Ht: **920.480sft**

Geoid12B

Iowa South Zone (1402) Northing: **631651.715sft**

Easting: **1506863.096sft**

Mapping Angle: **-0°19'20"**

Combination Scale Factor: **0.99994747**

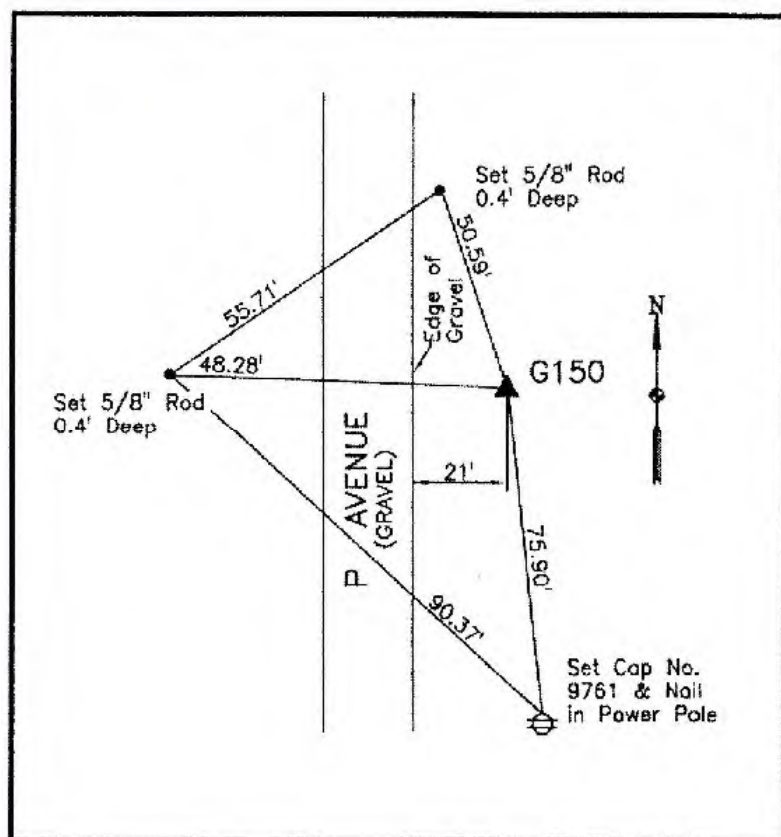
IaRCS Zone 8 Northing: **7540336.314sft**

Easting: **18425582.200sft**

Mapping Angle: **-0°10'53"**

Combination Scale Factor: **0.99999541**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G150 and NGS Style
Access Cover 3 " Deep.

Location:

East side of P Avenue 0.4 mile
south of 205th Street in Section
15, T80N, R27W north of
address 2113 P Avenue.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **151**

Designation: G151 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'55.02892"**

Longitude: **W93°55'50.59175"**

NAVD 88 Ortho Height: **991.128sft**

Ellip. Ht: **892.194sft**

Geoid12B

Iowa South Zone (1402) Northing: **631314.172sft**

Easting: **1522850.021sft**

Mapping Angle: **-0°17'01"**

Combination Scale Factor: **0.99994871**

IaRCS Zone 8

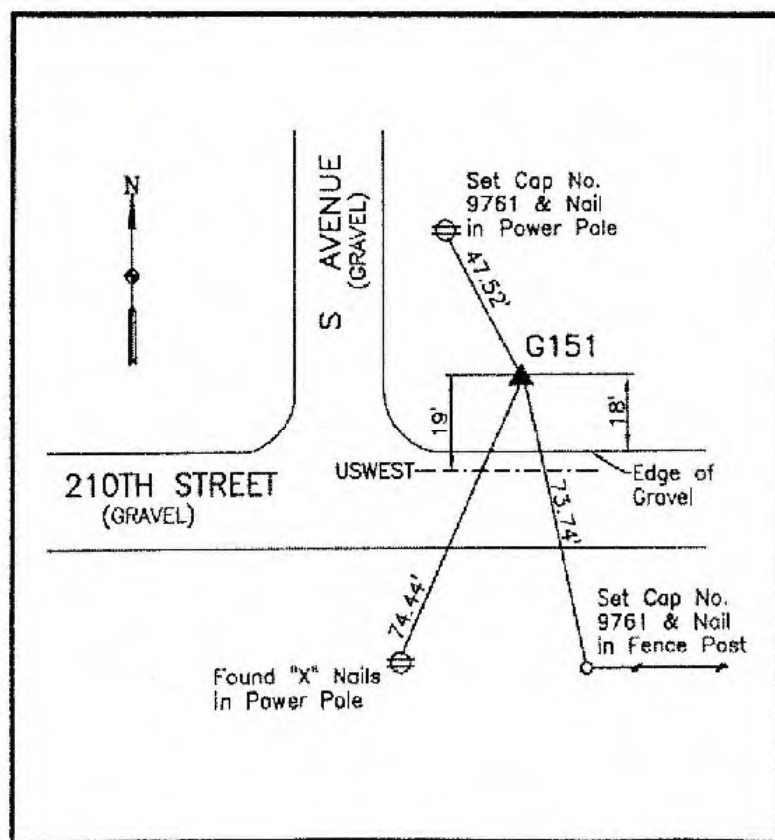
Northing: **7540038.108sft**

Easting: **18441570.655sft**

Mapping Angle: **-0°08'33"**

Combination Scale Factor: **0.99999433**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G151 and NGS Style
Access Cover 5 " Deep.

Location:

Northeast corner of intersection
of 210th Street and S Avenue
in Section 18, T80N, R26W

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **152**

Designation: G152 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'55.08079"**

Longitude: **W93°52'22.52983"**

NAVD 88 Ortho Height: **1024.598sft**

Ellip. Ht: **924.980sft**

Geoid12B

Iowa South Zone (1402) Northing: **631246.547sft**

Easting: **1538625.299sft**

Mapping Angle: **-0°14'44"**

Combination Scale Factor: **0.99994715**

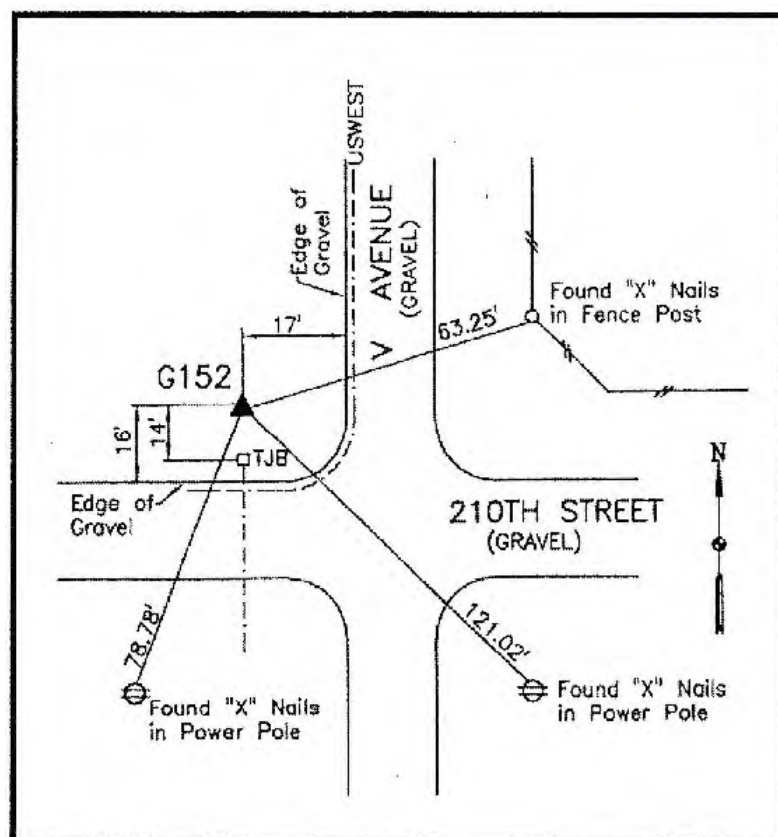
IaRCS Zone 8 Northing: **7540009.422sft**

Easting: **18457346.756sft**

Mapping Angle: **-0°06'14"**

Combination Scale Factor: **0.99999094**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G152 and NGS Style
Access Cover 2 " Deep.

Location:

Northwest corner of
intersection of 210th Street and
V Avenue in Section 16, T80N,
R26W at address 3089 210th
Street.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **153**

Designation: G153 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°43'54.92004"**

Longitude: **W93°49'26.46959"**

NAVD 88 Ortho Height: **853.035sft**

Ellip. Ht: **752.857sft**

Geoid12B

Iowa South Zone (1402) Northing: **631176.798sft**

Easting: **1551974.158sft**

Mapping Angle: **-0°12'48"**

Combination Scale Factor: **0.99995535**

laRCS Zone 8

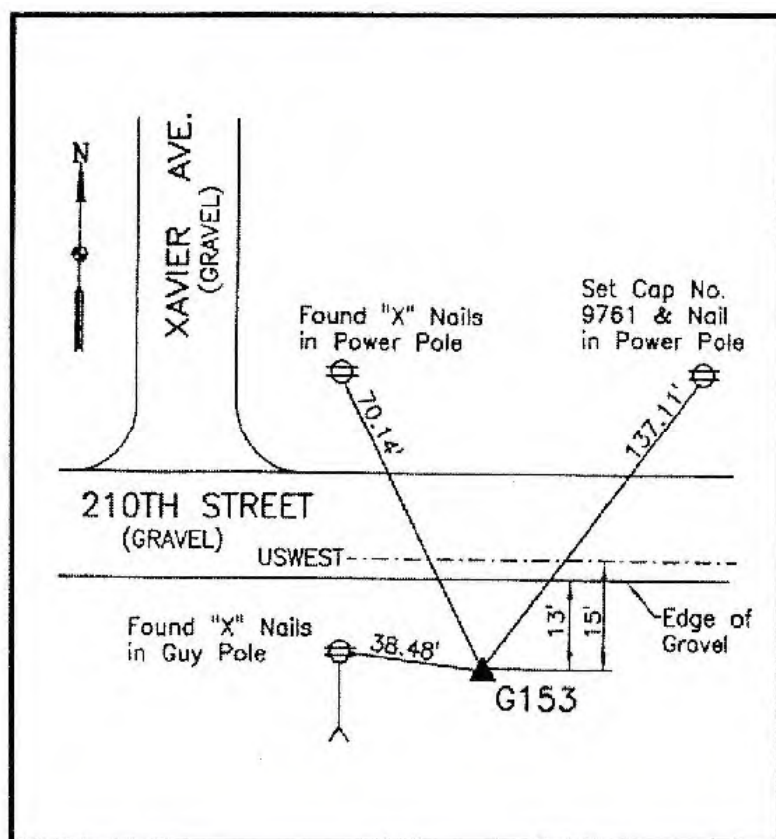
Northing: **7539972.709sft**

Easting: **18470696.324sft**

Mapping Angle: **-0°04'17"**

Combination Scale Factor: **0.99999806**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G153 and NGS Style
Access Cover 4 " Deep.

Location:

Southeast corner of
intersection of 210th Street and
Xavier Avenue in Section 24,
T80N, R26W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **154**

Designation: G154 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'17.21112"**

Longitude: **W93°48'54.02424"**

NAVD 88 Ortho Height: **952.818sft**

Ellip. Ht: **853.098sft**

Geoid12B

Iowa South Zone (1402) Northing: **645570.494sft**

Easting: **1554486.335sft**

Mapping Angle: **-0°12'27"**

Combination Scale Factor: **0.99995721**

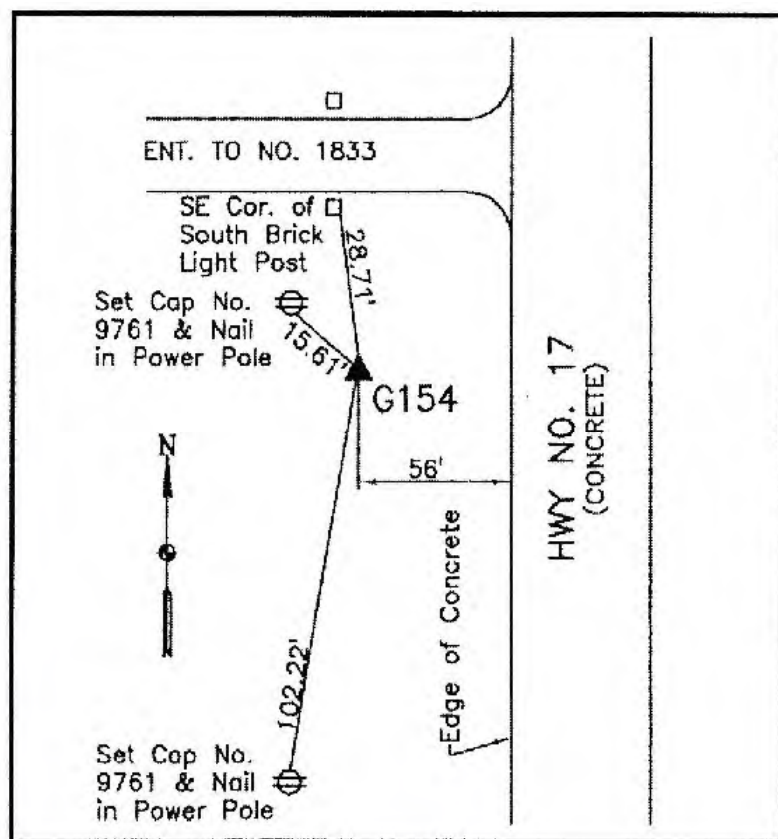
laRCS Zone 8 Northing: **7554373.153sft**

Easting: **18473172.923sft**

Mapping Angle: **-0°03'56"**

Combination Scale Factor: **0.99999312**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G154 and NGS Style
Access Cover 2 " Deep.

Location:

West side Iowa Highway 17 0.5
mile north of 190th Street (NW
110th Ave., Polk County) in
Section 1, T80N, R26W near
address 1833 Highway 17.
Highway 17 stationing is about
73+00.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **155**

Designation: G155 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'53.43711"**

Longitude: **W93°52'23.29036"**

NAVD 88 Ortho Height: **876.643sft**

Ellip. Ht: **777.757sft**

Geoid12B

Iowa South Zone (1402) Northing: **649300.042sft**

Easting: **1538645.080sft**

Mapping Angle: **-0°14'45"**

Combination Scale Factor: **0.99996257**

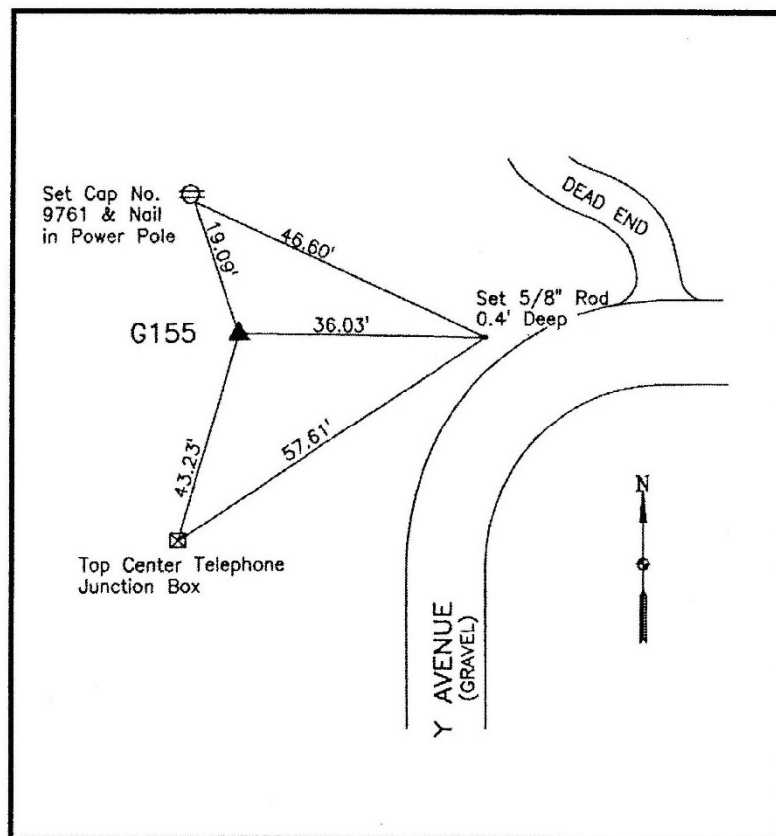
IaRCS Zone 8 Northing: **7558063.627sft**

Easting: **18457321.924sft**

Mapping Angle: **-0°06'15"**

Combination Scale Factor: **0.99999797**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G155 and NGS Style
Access Cover 2 " Deep.

Location:

West side V Avenue 0.3 mile
north of Beaver Creek Bridge
in Section 33, T81N, R26W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **156**

Designation: G156 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'41.27465"**

Longitude: **W93°55'51.83614"**

NAVD 88 Ortho Height: **979.462sft**

Ellip. Ht: **881.290sft**

Geoid12B

Iowa South Zone (1402) Northing: **648141.990sft**

Easting: **1522839.064sft**

Mapping Angle: **-0°17'02"**

Combination Scale Factor: **0.99995703**

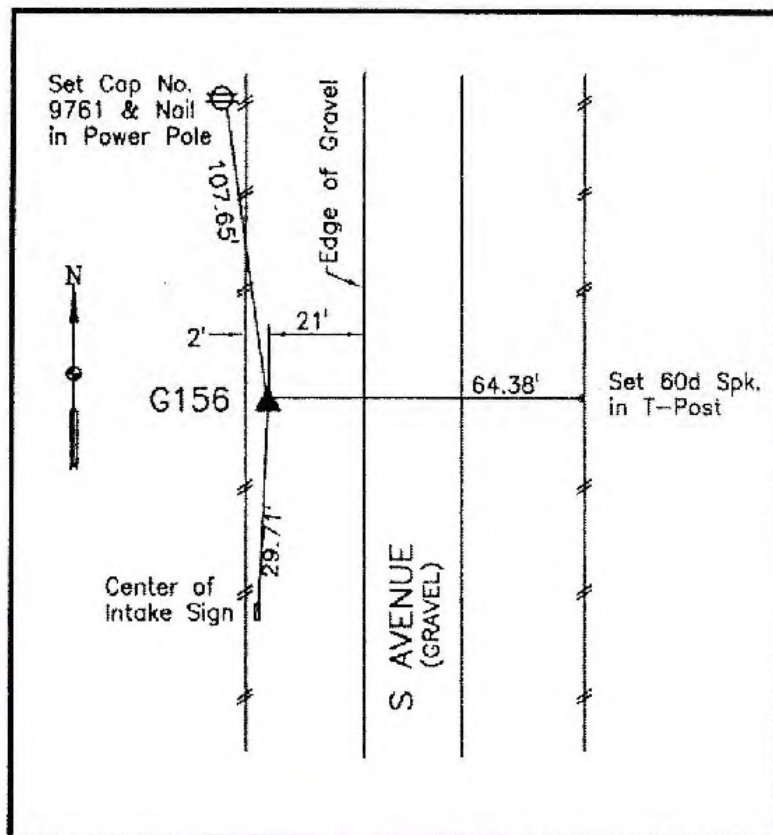
IaRCS Zone 8 Northing: **7556866.550sft**

Easting: **18441518.235sft**

Mapping Angle: **-0°08'34"**

Combination Scale Factor: **0.99999486**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G156 and NGS Style Access Cover 3" Deep.

Location:

West side S Avenue 0.1 mile north of 180th Street in Section 36, T81N, R27W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **157**

Designation: G157 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'34.93125"**

Longitude: **W93°59'20.60894"**

NAVD 88 Ortho Height: **953.358sft**

Ellip. Ht: **856.023sft**

Geoid12B

Iowa South Zone (1402) Northing: **647583.573sft**

Easting: **1507017.572sft**

Mapping Angle: **-0°19'20"**

Combination Scale Factor: **0.99995793**

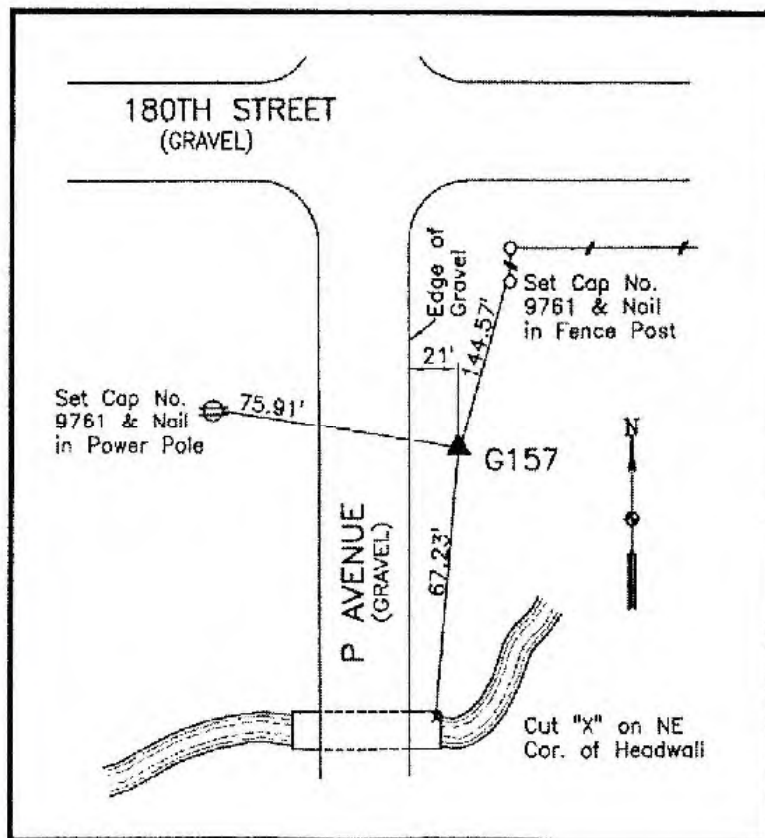
laRCS Zone 8 Northing: **7556269.209sft**

Easting: **18425697.544sft**

Mapping Angle: **-0°10'53"**

Combination Scale Factor: **0.99999846**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G157 and NGS Style
Access Cover 1" Deep.

Location:

East side P Avenue just south
of 180th Street in Section 3,
T80N, R27W near creek.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **158**

Designation: FBN control station "X 3" PID: MJ0074

NAD 83(NA2011) Latitude: **N41°46'37.16491"**

Longitude: **W94°02'54.25408"**

NAVD 88 Ortho Height: **1026.359sft**

Ellip. Ht: **930.050sft**

Geoid12B

Iowa South Zone (1402) Northing: **647906.200sft**

Easting: **1490831.580sft**

Mapping Angle: **-0°21'40"**

Combination Scale Factor: **0.99995450**

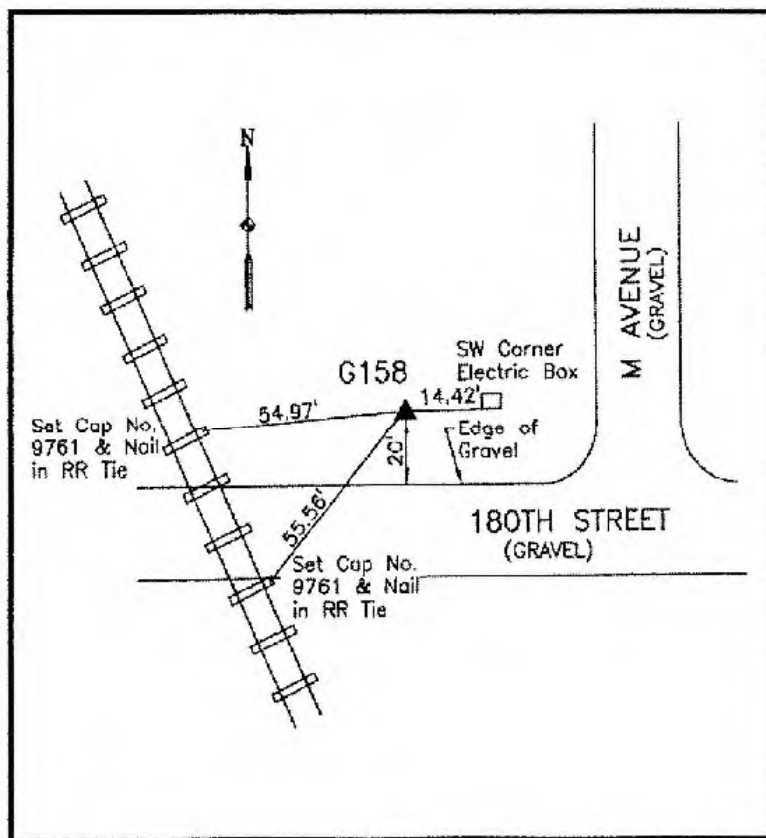
IaRCS Zone 8 Northing: **7556552.171sft**

Easting: **18409510.131sft**

Mapping Angle: **-0°13'16"**

Combination Scale Factor: **0.99999798**

Monument Type: CGS bench mark disk set in the top of concrete monument.



Description:

Found USCGS Concrete Monument with Disk Stamped 1026.205 X3 1930, at Ground Level.

Location:

Harn station USCGS BM X 3, 1930, north side 180th Street along east railroad right of way at intersection of M Avenue. In Section 36, T81N, R28W.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **159**

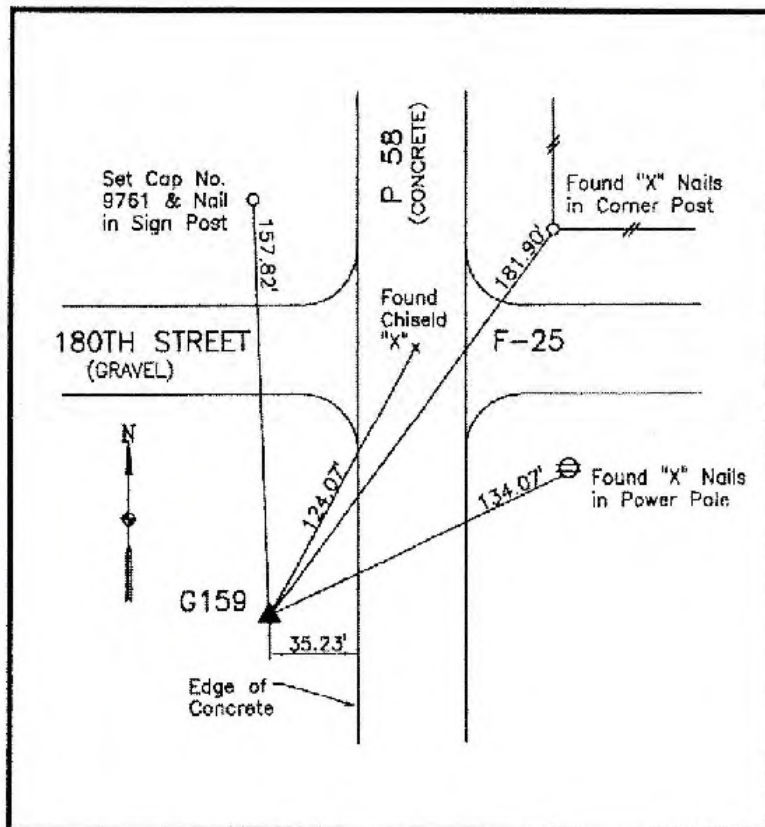
Designation: G159 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'35.42782"** Longitude: **W94°06'22.42149"**
NAVD 88 Ortho Height: **989.282sft** Ellip. Ht: **894.003sft** **Geoid12B**

Iowa South Zone (1402) Northing: **647835.056sft** Easting: **1475058.190sft**
Mapping Angle: **-0°23'58"** Combination Scale Factor: **0.99995614**

IaRCS Zone 8 Northing: **7556442.480sft** Easting: **18393736.249sft**
Mapping Angle: **-0°15'34"** Combination Scale Factor: **1.00000324**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G159 and NGS Style
Access Cover 2 " Deep.

Location:

West side of J Avenue (P58)
just south of 180th Street (F25)
in Section 4, T80N, R28W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **160**

Designation: G160 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'36.60511"**

Longitude: **W94°09'51.40937"**

NAVD 88 Ortho Height: **1017.499sft**

Ellip. Ht: **923.273sft**

Geoid12B

Iowa South Zone (1402) Northing: **648069.864sft**

Easting: **1459224.727sft**

Mapping Angle: **-0°26'15"**

Combination Scale Factor: **0.99995480**

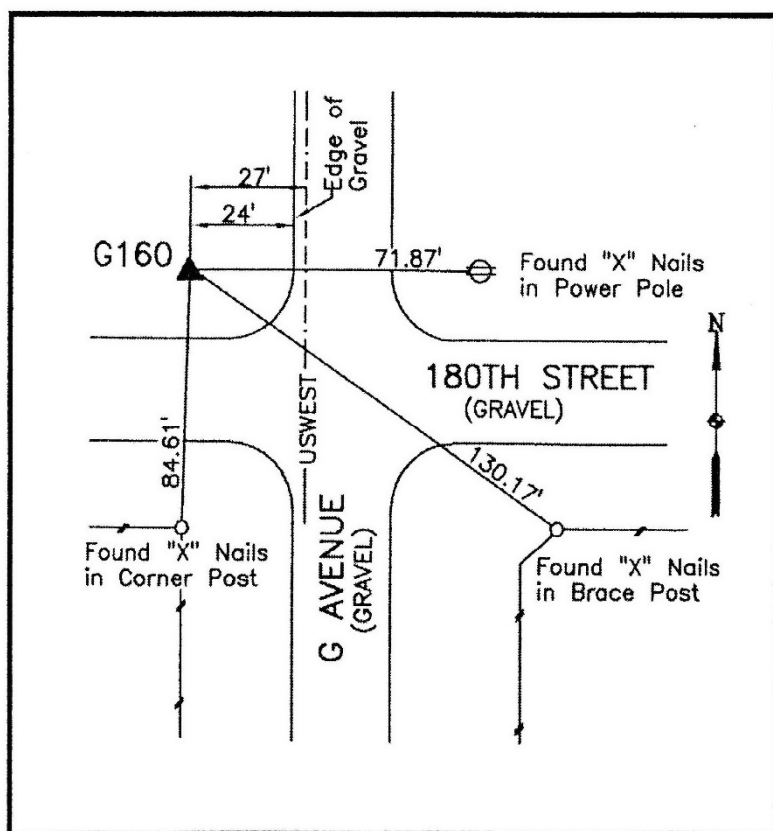
IaRCS Zone 8 Northing: **7556638.730sft**

Easting: **18377901.483sft**

Mapping Angle: **-0°17'54"**

Combination Scale Factor: **1.00000598**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G160 and NGS Style
Access Cover 3 " Deep.

Location:

Northwest corner of
intersection 180th Street (F25)
and G Avenue in Section 36,
T81N, R29W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **161**

Designation: G161 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'38.40905"**

Longitude: **W94°13'20.14727"**

NAVD 88 Ortho Height: **1049.833sft**

Ellip. Ht: **956.588sft**

Geoid12B

Iowa South Zone (1402) Northing: **648378.510sft**

Easting: **1443410.971sft**

Mapping Angle: **-0°28'33"**

Combination Scale Factor: **0.99995330**

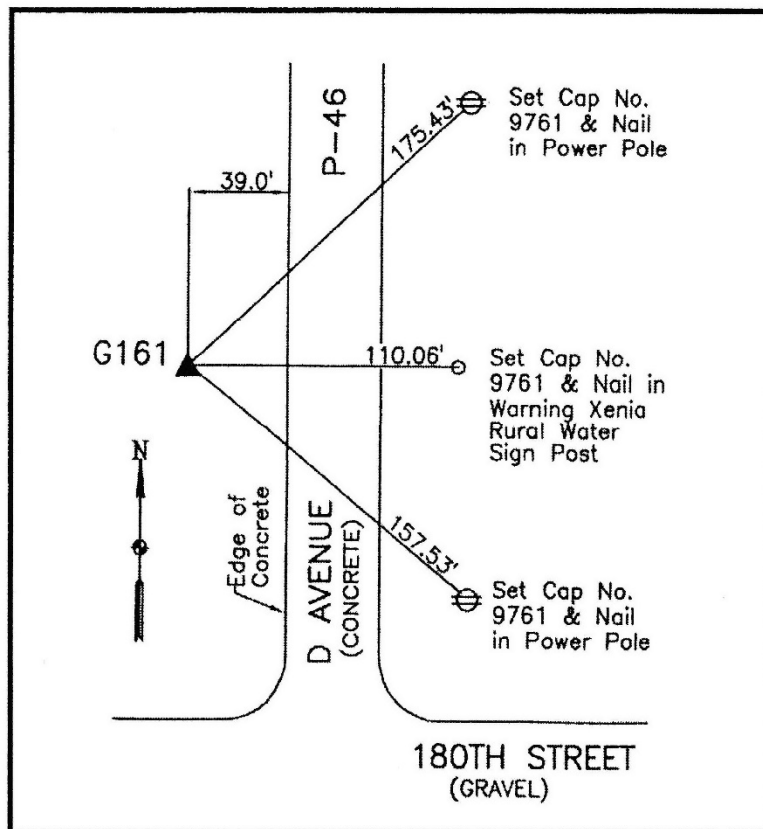
IaRCS Zone 8 Northing: **7556908.990sft**

Easting: **18362086.179sft**

Mapping Angle: **-0°20'13"**

Combination Scale Factor: **1.00000909**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G161 and NGS Style
Access Cover 1 " Deep.

Location:

West side of D Avenue (P46)
just north of 180th Street (F25)
in Section 33, T81N, R29W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **162**

Designation: G162 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°46'35.15121"**

Longitude: **W94°16'41.14396"**

NAVD 88 Ortho Height: **1051.437sft**

Ellip. Ht: **959.028sft**

Geoid12B

Iowa South Zone (1402) Northing: **648180.099sft**

Easting: **1428179.471sft**

Mapping Angle: **-0°30'45"**

Combination Scale Factor: **0.99995302**

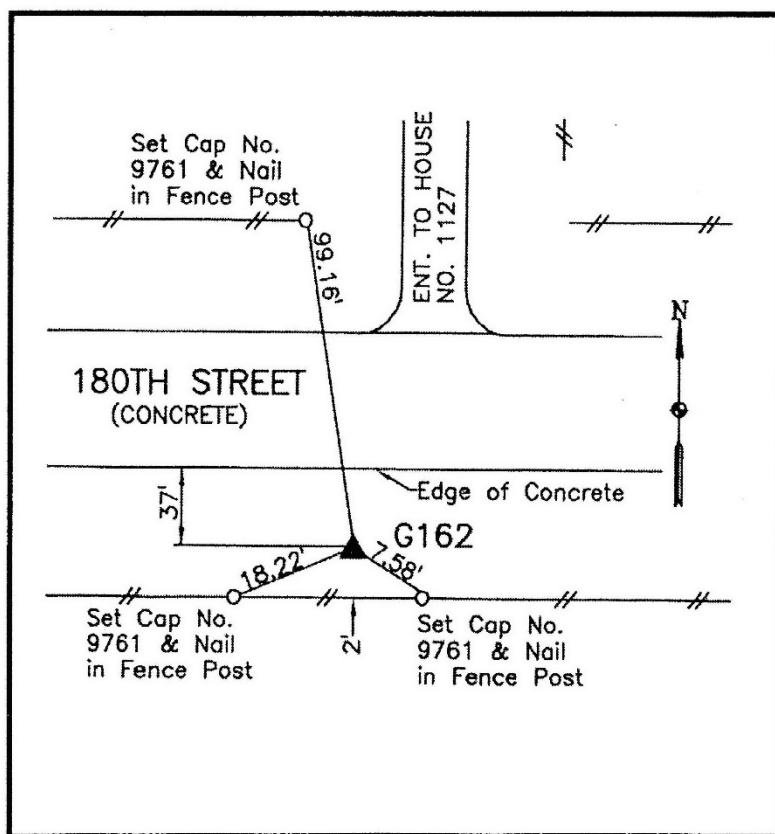
laRCS Zone 8 Northing: **7556673.696sft**

Easting: **18346854.315sft**

Mapping Angle: **-0°22'27"**

Combination Scale Factor: **1.00001404**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G162 and NGS Style
Access Cover 4 " Deep.

Location:

South side of 180th Street
(F25) next to right of way fence
opposite driveway to address
1072 180th Street,
approximately 1/4 mile east of
west county line, in Section 6,
T80N, R29W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **163**

Designation: G163 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'11.03412"** Longitude: **W94°16'44.69437"**

NAVD 88 Ortho Height: **1046.054sft** Ellip. Ht: **954.324sft** **Geoid12B**

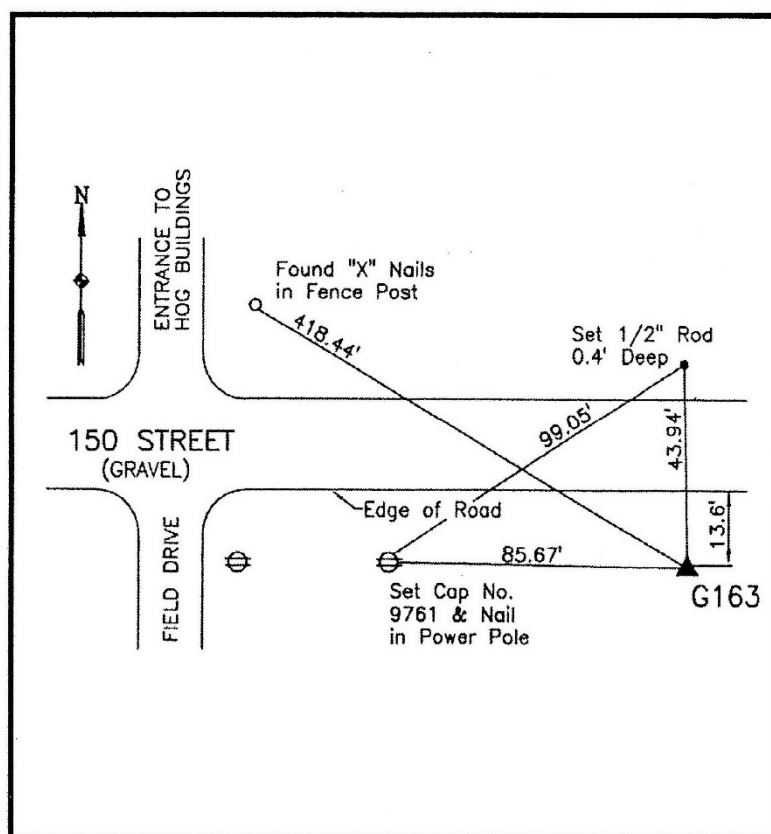
Iowa South Zone (1402) Northing: **663960.734sft** Easting: **1428051.795sft**

Mapping Angle: **-0°30'47"** Combination Scale Factor: **0.99996113**

IaRCS Zone 8 Northing: **7572454.879sft** Easting: **18346688.532sft**

Mapping Angle: **-0°22'30"** Combination Scale Factor: **1.00001432**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G163 and NGS Style
Access Cover 5 " Deep.

Location:

South side 150th Street about
0.1 mile east of west county
line in Section 19, T81N,
R29W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **164**

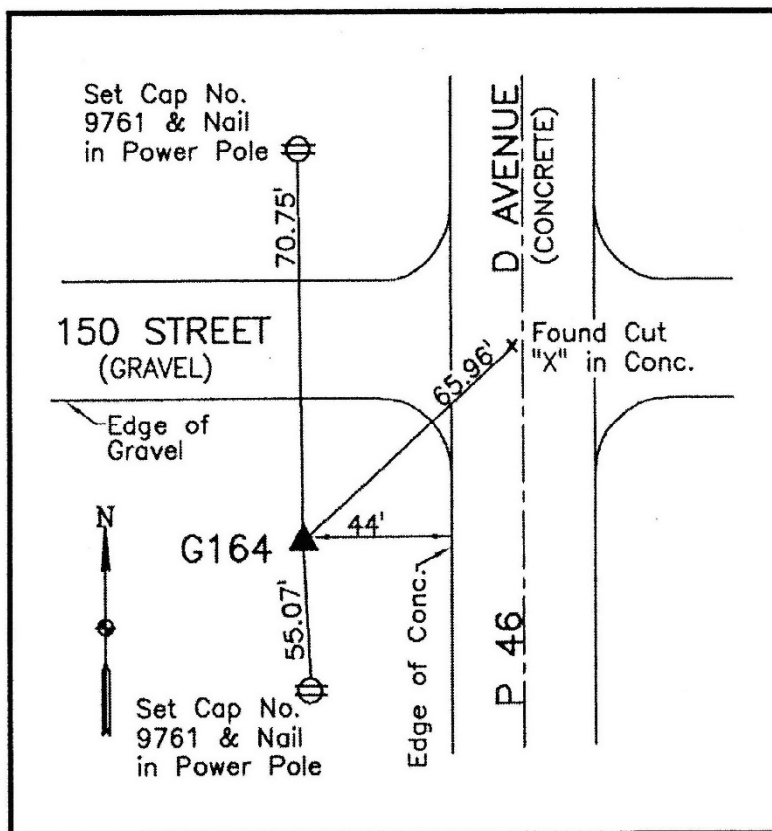
Designation: G164 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'11.88512"** Longitude: **W94°13'20.79985"**
NAVD 88 Ortho Height: **1028.624sft** Ellip. Ht: **936.115sft** **Geoid12B**

Iowa South Zone (1402) Northing: **663913.620sft** Easting: **1443490.556sft**
Mapping Angle: **-0°28'33"** Combination Scale Factor: **0.99996204**

laRCS Zone 8 Northing: **7572445.055sft** Easting: **18362128.142sft**
Mapping Angle: **-0°20'14"** Combination Scale Factor: **1.00001005**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G164 and NGS Style
Access Cover 4 " Deep.

Location:

Southwest corner of
intersection 150th Street and D
Avenue (P46) in Section 21,
T81N, R29W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **165**

Designation: G165 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'12.80930"**

Longitude: **W94°09'51.20312"**

NAVD 88 Ortho Height: **1009.703sft**

Ellip. Ht: **916.295sft**

Geoid12B

Iowa South Zone (1402) Northing: **663880.667sft**

Easting: **1459361.092sft**

Mapping Angle: **-0°26'15"**

Combination Scale Factor: **0.99996304**

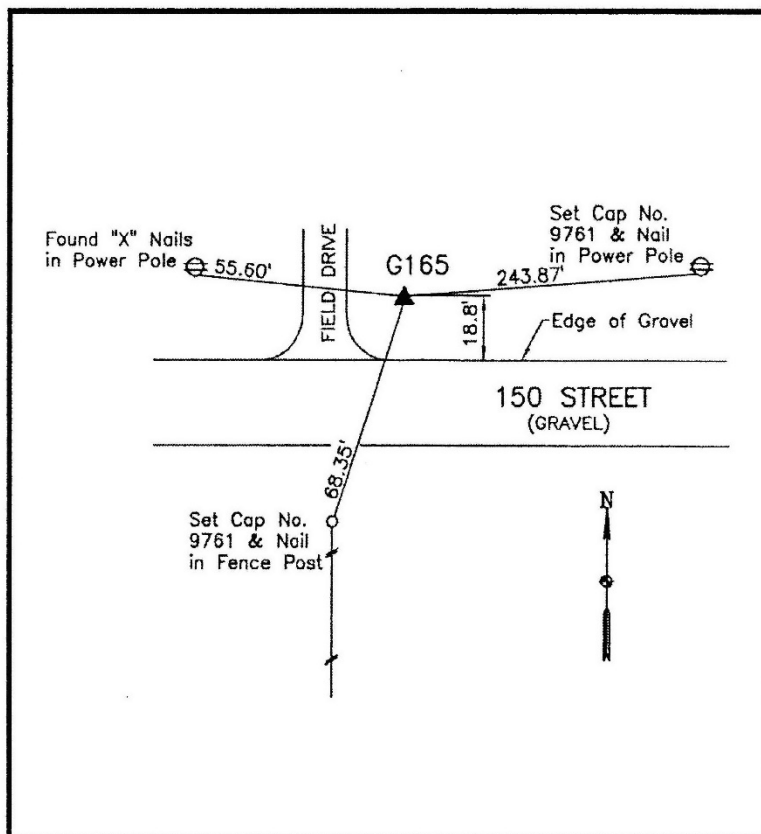
IaRCS Zone 8 Northing: **7572450.564sft**

Easting: **18377999.435sft**

Mapping Angle: **-0°17'54"**

Combination Scale Factor: **1.00000629**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G165 and NGS Style
Access Cover 1 " Deep.

Location:

Northside 150th Street at
Dallas/Spring Valley township
line in Section 18, T81N,
R28W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **166**

Designation: G166 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'10.01049"**

Longitude: **W94°06'23.67239"**

NAVD 88 Ortho Height: **954.524sft**

Ellip. Ht: **860.130sft**

Geoid12B

Iowa South Zone (1402) Northing: **663482.582sft**

Easting: **1475072.528sft**

Mapping Angle: **-0°23'58"**

Combination Scale Factor: **0.99996557**

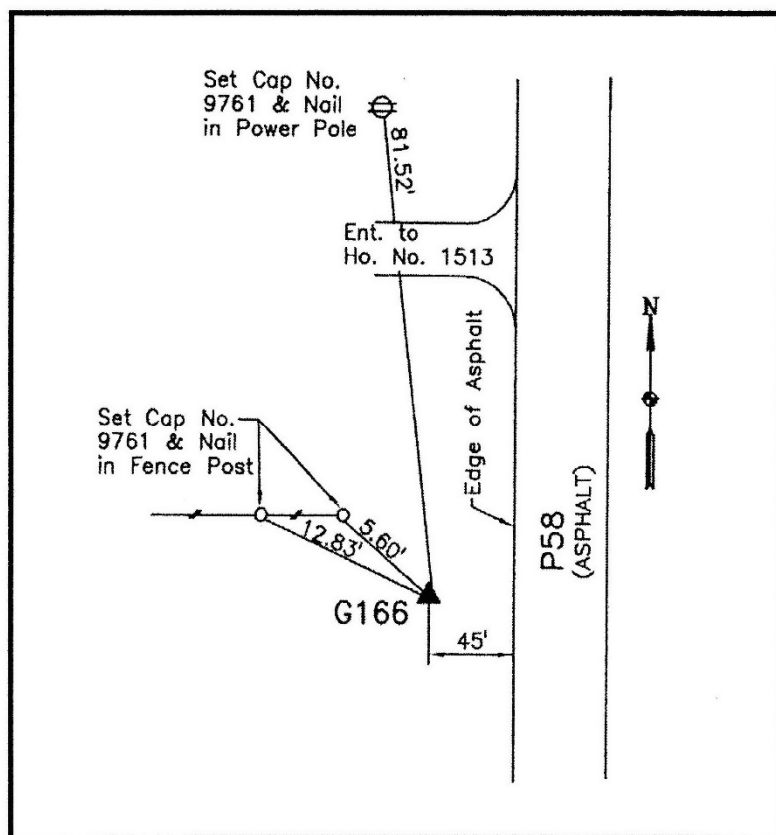
laRCS Zone 8 Northing: **7572090.672sft**

Easting: **18393712.440sft**

Mapping Angle: **-0°15'36"**

Combination Scale Factor: **1.00000487**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G166 and NGS Style Access Cover 4 " Deep.

Location:

West side J Avenue (P58) 0.1 mile south of 150th Street in Section 21, T81N, R28W and near south fence at address 1513 150th Street.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **167**

Designation: G167 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'12.83823"**

Longitude: **W94°02'49.44639"**

NAVD 88 Ortho Height: **981.328sft**

Ellip. Ht: **885.927sft**

Geoid12B

Iowa South Zone (1402) Northing: **663661.242sft**

Easting: **1491294.949sft**

Mapping Angle: **-0°21'37"**

Combination Scale Factor: **0.99996449**

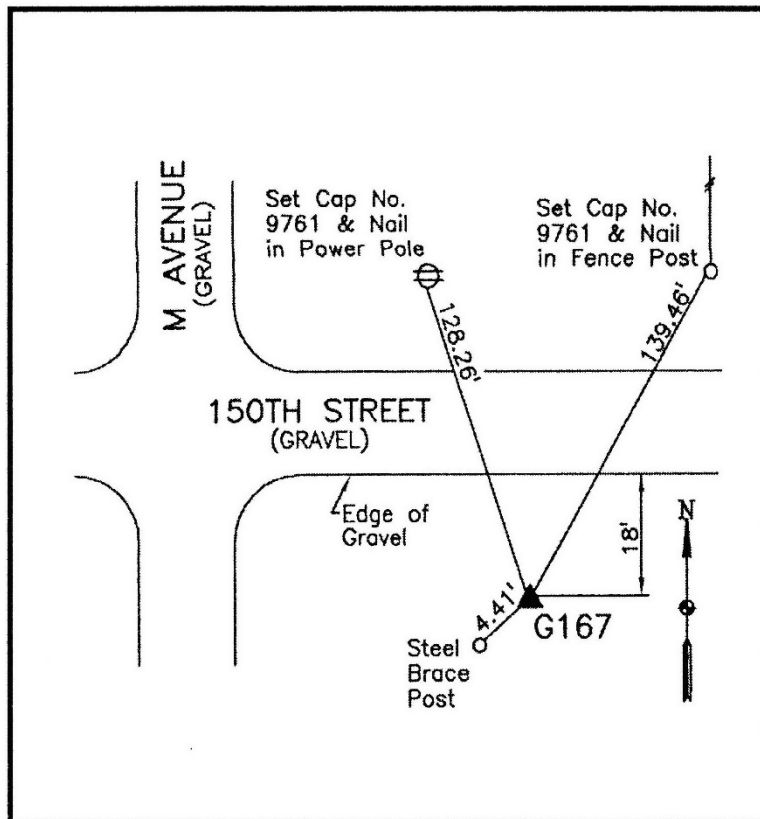
IaRCS Zone 8 Northing: **7572308.922sft**

Easting: **18409934.983sft**

Mapping Angle: **-0°13'13"**

Combination Scale Factor: **1.00000000**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G167 and NGS Style
Access Cover 4 " Deep.

Location:

South side 150th Street just
east of M Avenue near corner
of cultivated field in Section 19,
T81N, R27W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **168 (Reset by DCI in 2017)**

Designation: G168 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'14.25274"**

Longitude: **W93°59'19.30339"**

NAVD 88 Ortho Height: **961.177sft**

Ellip. Ht: **864.794sft**

Geoid12B

Iowa South Zone (1402) Northing: **663709.687sft**

Easting: **1507207.095sft**

Mapping Angle: **-0°19'19"**

Combination Scale Factor: **0.99996557**

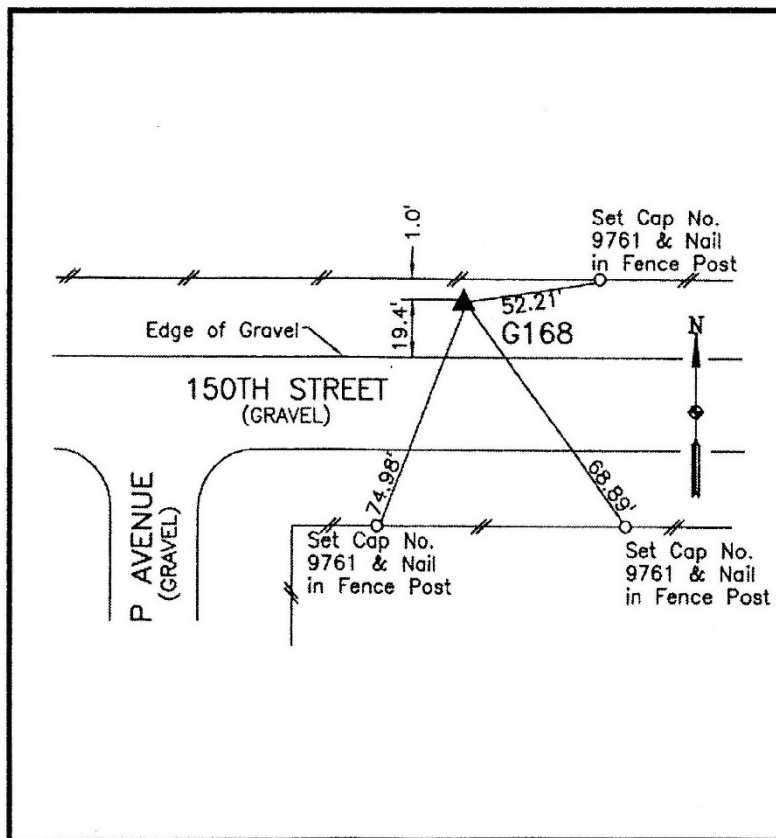
IaRCS Zone 8 Northing: **7572396.328sft**

Easting: **18425847.503sft**

Mapping Angle: **-0°10'53"**

Combination Scale Factor: **0.99999802**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G168 and NGS Style
Access Cover 1" Deep.

Location:

North side 150th Street just
west of P Avenue in Section
15, T81N, R27W.

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2018

Combination Scale Factor: **0.99999786**

North side 150th Street just west of S Avenue near west fence at address 2797 150th Street in Section 13, T81N, R27W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **170 (Reset by DCI in 2017)**

Designation: G170 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'13.70485"**

Longitude: **W93°52'24.26684"**

NAVD 88 Ortho Height: **1015.539sft**

Ellip. Ht: **917.415sft**

Geoid12B

Iowa South Zone (1402) Northing: **663498.497sft**

Easting: **1538632.051sft**

Mapping Angle: **-0°14'45"**

Combination Scale Factor: **0.99996303**

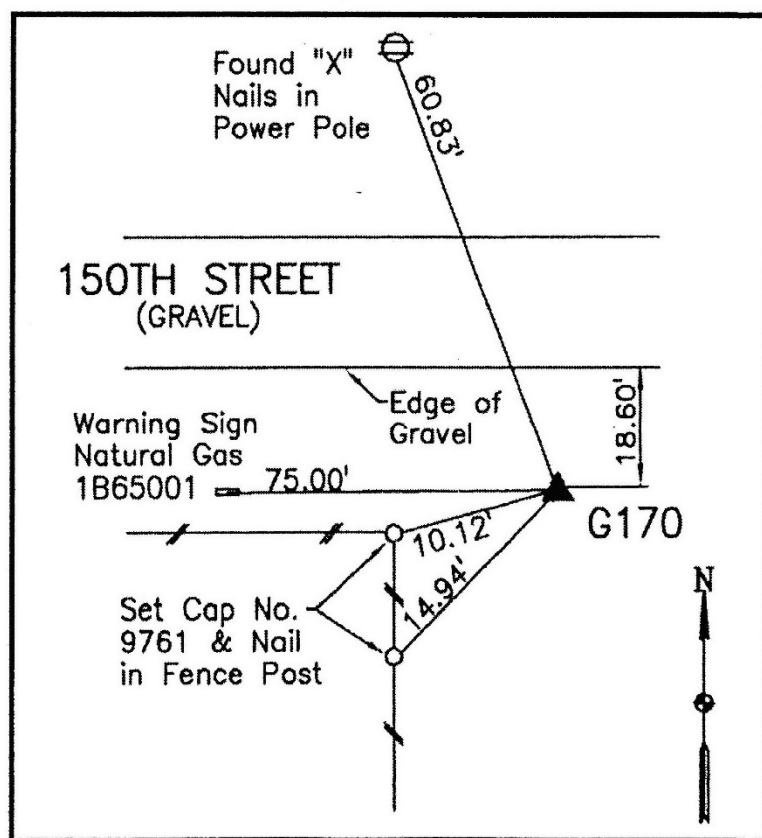
laRCS Zone 8 Northing: **7572262.459sft**

Easting: **18457273.831sft**

Mapping Angle: **-0°06'16"**

Combination Scale Factor: **0.99999131**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long Aluminum Rod with Cap Stamped G170 and NGS Style Access Cover 1" Deep.

Location:

South side 150th Street near fence corner 75 feet east of Northern Natural Gas pipeline IB 65001, mile post 18.25 in Section 22, T81N, R26W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **171**

Designation: G171 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°49'12.94824"**

Longitude: **W93°48'55.28399"**

NAVD 88 Ortho Height: **936.161sft**

Ellip. Ht: **837.258sft**

Geoid12B

Iowa South Zone (1402) Northing: **663359.262sft**

Easting: **1554455.370sft**

Mapping Angle: **-0°12'28"**

Combination Scale Factor: **0.99996682**

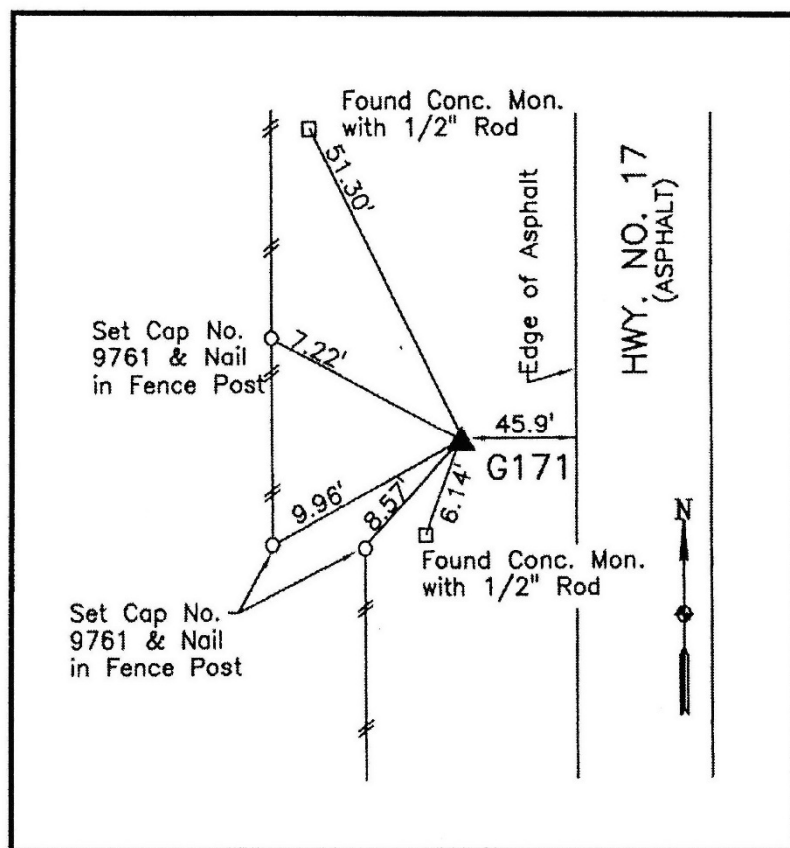
laRCS Zone 8 Northing: **7572162.350sft**

Easting: **18473097.883sft**

Mapping Angle: **-0°03'57"**

Combination Scale Factor: **0.99999388**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G170 and NGS Style
Access Cover 1" Deep.

Location:

South side 150th Street near
fence corner 75 feet east of
Northern Natural Gas pipeline
IB 65001, mile post 18.25 in
Section 22, T81N, R26W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **172**

Designation: G172 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'48.33377"**

Longitude: **W93°48'57.22226"**

NAVD 88 Ortho Height: **1033.017sft**

Ellip. Ht: **935.045sft**

Geoid12B

Iowa South Zone (1402) Northing: **679088.454sft**

Easting: **1554365.731sft**

Mapping Angle: **-0°12'29"**

Combination Scale Factor: **0.99997059**

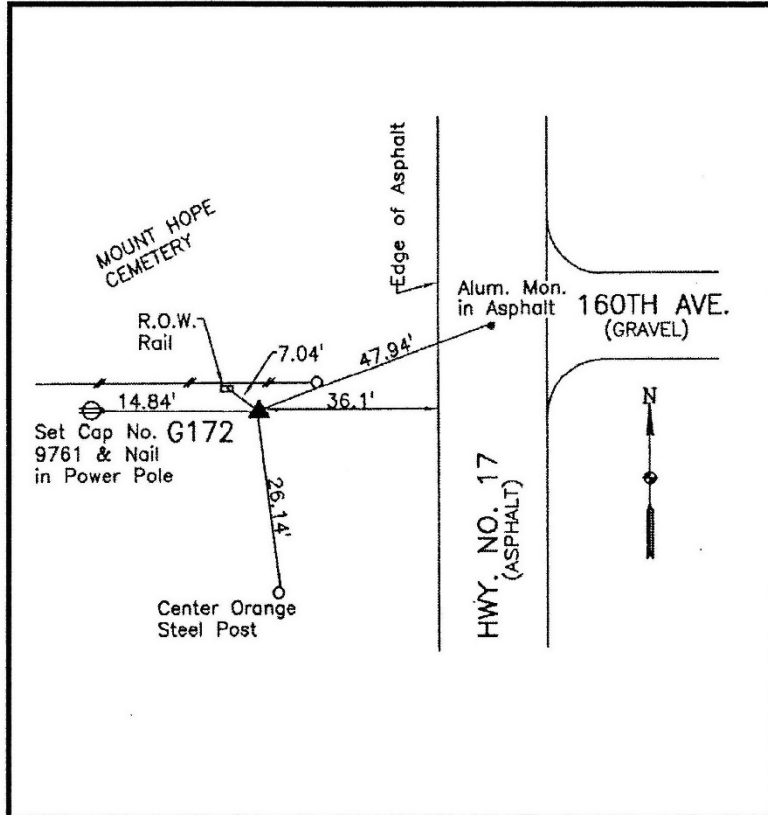
laRCS Zone 8 Northing: **7587891.633sft**

Easting: **18472969.289sft**

Mapping Angle: **-0°03'58"**

Combination Scale Factor: **0.99998922**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G172 and NGS Style
Access Cover 1 " Deep.

Location:

West side Iowa Highway 17 at
northeast corner of Dallas
County at south fence line of
Mount Hope Cemetery (Boone
County). Section 1, T81N,
R26W.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **173**

Designation: G173 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'11.94059"**

Longitude: **W93°52'26.37197"**

NAVD 88 Ortho Height: **989.792sft**

Ellip. Ht: **892.414sft**

Geoid12B

Iowa South Zone (1402) Northing: **675467.358sft**

Easting: **1538524.115sft**

Mapping Angle: **-0°14'47"**

Combination Scale Factor: **0.99997060**

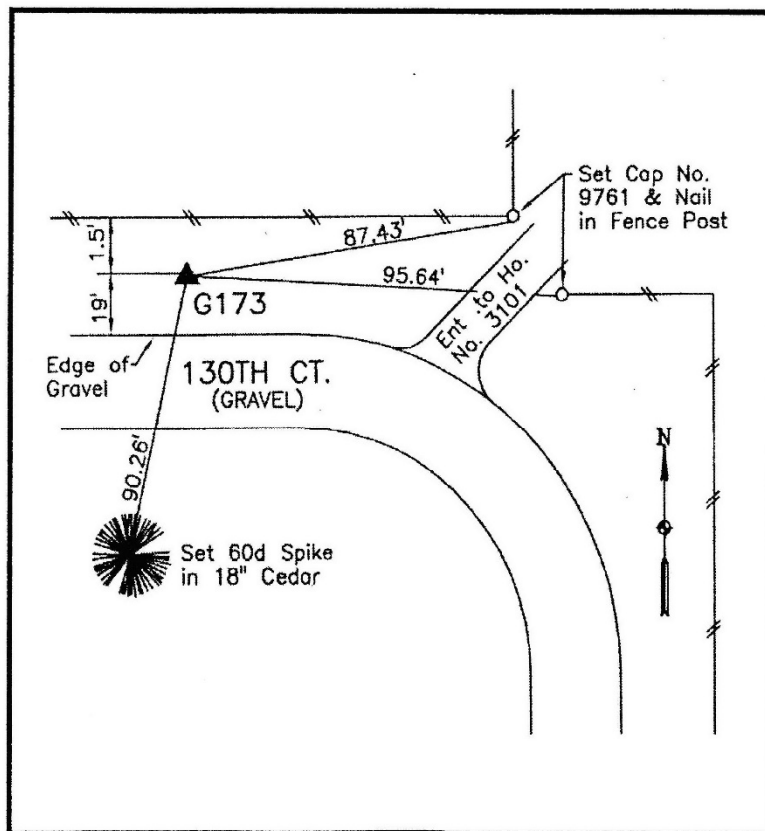
IaRCS Zone 8 Northing: **7584231.318sft**

Easting: **18457136.352sft**

Mapping Angle: **-0°06'18"**

Combination Scale Factor: **0.99999252**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G173 and NGS Style
Access Cover 3 " Deep.

Location:

North side of 130th Court in
Section 4, T81N, R26W at
curve in road 60 feet east of
driveway to address 3101
130th Court.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **174**

Designation: G174 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'37.80121"**

Longitude: **W93°55'52.53553"**

NAVD 88 Ortho Height: **1054.672sft**

Ellip. Ht: **958.389sft**

Geoid12B

Iowa South Zone (1402) Northing: **678157.279sft**

Easting: **1522934.889sft**

Mapping Angle: **-0°17'03"**

Combination Scale Factor: **0.99996888**

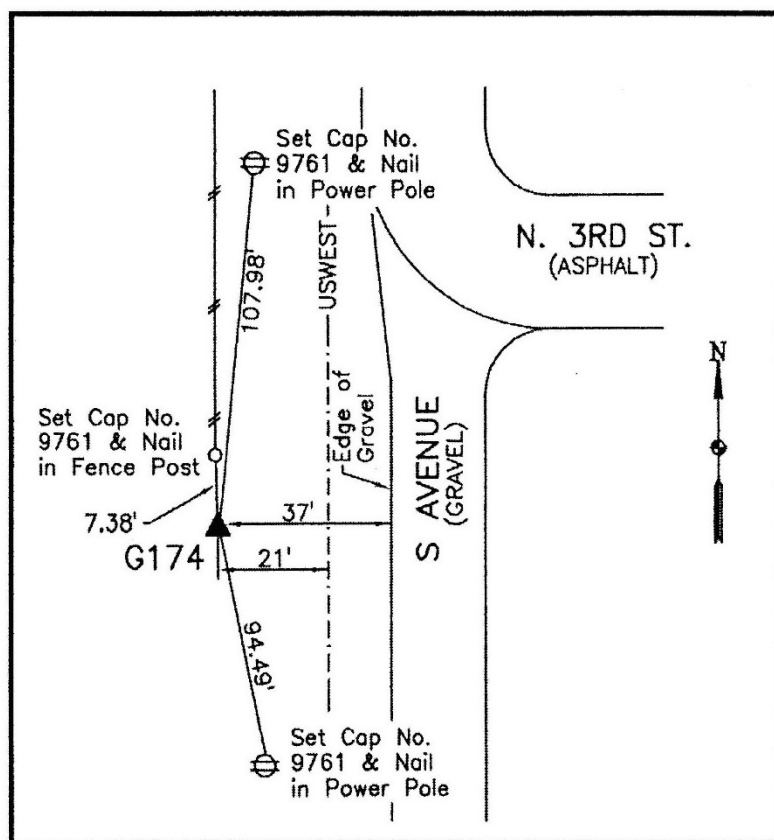
laRCS Zone 8 Northing: **7586882.891sft**

Easting: **18441540.203sft**

Mapping Angle: **-0°08'36"**

Combination Scale Factor: **0.99999117**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G174 and NGS Style
Access Cover 4 " Deep.

Location:

Southwest corner of
intersection of S Avenue and
N. Third Street (City of
Woodward) in Section 1, T81N,
R27W near the south end of
the west right of way fence.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **175**

Designation: G175 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'46.85749"**

Longitude: **W93°59'47.61548"**

NAVD 88 Ortho Height: **952.594sft**

Ellip. Ht: **857.412sft**

Geoid12B

Iowa South Zone (1402) Northing: **679168.858sft**

Easting: **1505151.589sft**

Mapping Angle: **-0°19'38"**

Combination Scale Factor: **0.99997421**

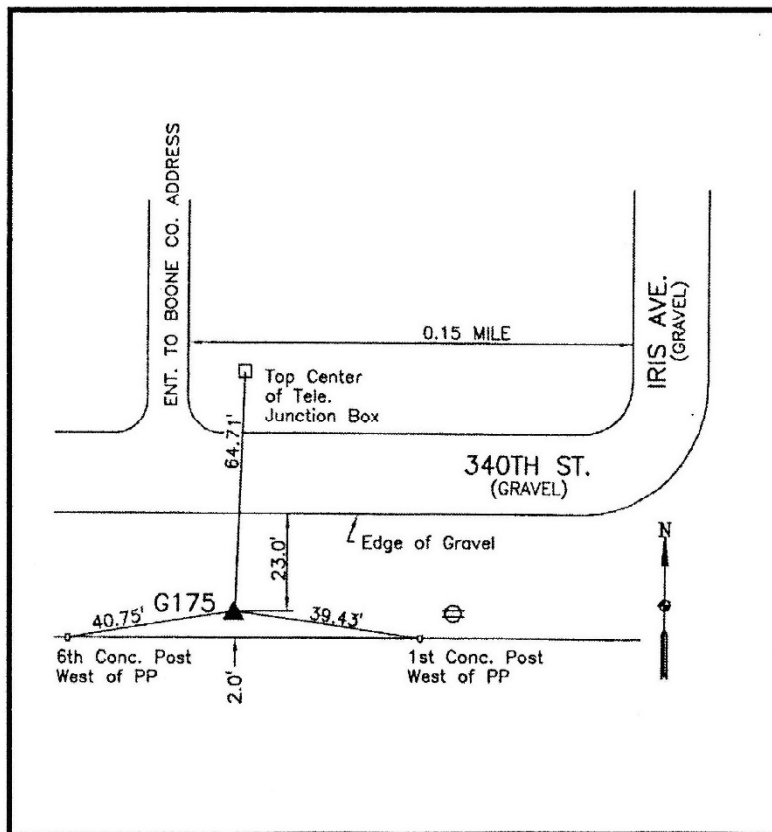
IaRCS Zone 8 Northing: **7587850.856sft**

Easting: **18423754.060sft**

Mapping Angle: **-0°11'12"**

Combination Scale Factor: **0.99999873**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G175 and NGS Style
Access Cover 1 " Deep.

Location:

South side 120th Street 0.15
mile west of Iris Avenue
(Boone County) and opposite
driveway to Boone County
residence. Section 4, T81N,
R27W.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **176**

Designation: G176 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'38.52871"**

Longitude: **W94°02'53.30877"**

NAVD 88 Ortho Height: **945.439sft**

Ellip. Ht: **851.027sft**

Geoid12B

Iowa South Zone (1402) Northing: **678410.175sft**

Easting: **1491095.435sft**

Mapping Angle: **-0°21'40"**

Combination Scale Factor: **0.99997405**

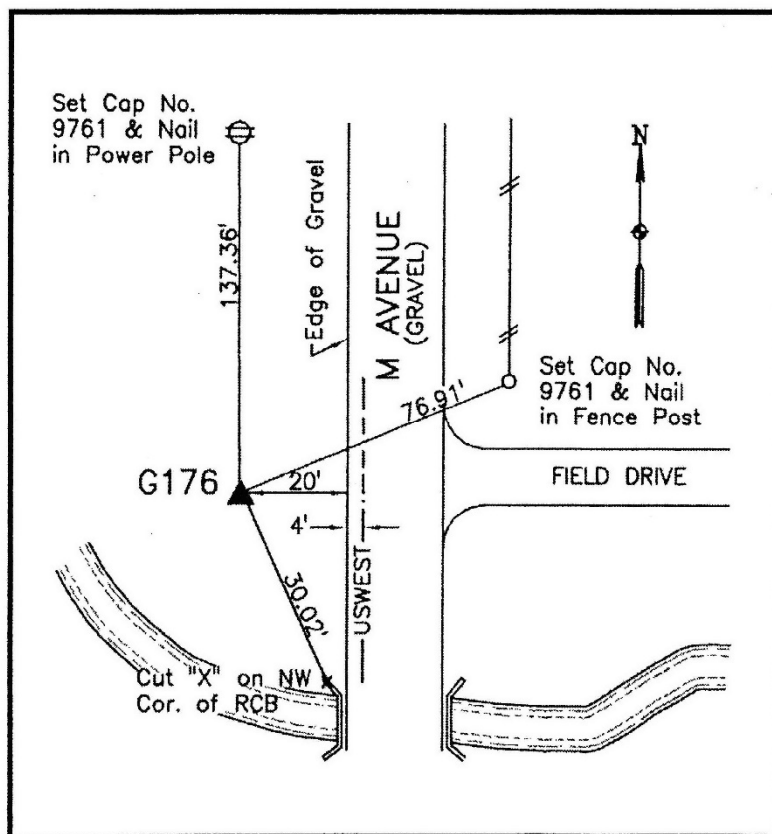
IaRCS Zone 8 Northing: **7587057.790sft**

Easting: **18409699.436sft**

Mapping Angle: **-0°13'16"**

Combination Scale Factor: **1.00000171**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G176 and NGS Style
Access Cover 3 " Deep.

Location:

West side M Avenue and north
side of drainage way in Section
1, T81N, R28W 0.2 mile south
of north county line.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **177**

Designation: G177 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'43.89624"**

Longitude: **W94°06'22.73932"**

NAVD 88 Ortho Height: **1003.229sft**

Ellip. Ht: **909.785sft**

Geoid12B

Iowa South Zone (1402) Northing: **679058.656sft**

Easting: **1475251.756sft**

Mapping Angle: **-0°23'58"**

Combination Scale Factor: **0.99997154**

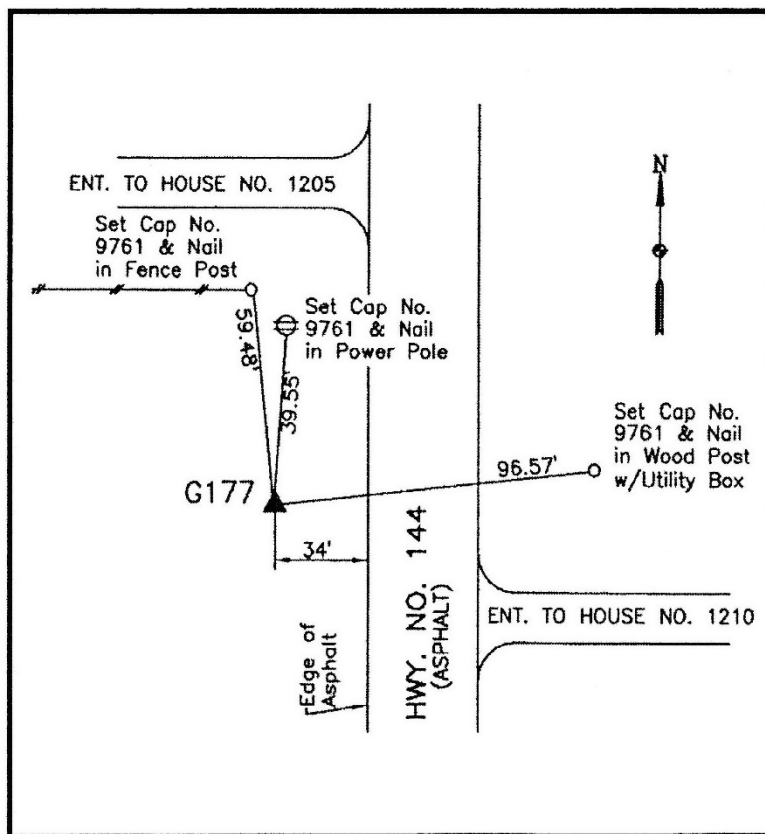
laRCS Zone 8 Northing: **7587667.683sft**

Easting: **18393853.760sft**

Mapping Angle: **-0°15'36"**

Combination Scale Factor: **1.00000246**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G177 and NGS Style
Access Cover 4 " Deep.

Location:

West side J Avenue (Highway
144) in Section 4, T81N,
R28W, opposite driveway to
address 1210 J Avenue just
south of north county line.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **178**

Designation: G178 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'31.16937"**

Longitude: **W94°10'25.59340"**

NAVD 88 Ortho Height: **942.513sft**

Ellip. Ht: **850.025sft**

Geoid12B

Iowa South Zone (1402) Northing: **677905.638sft**

Easting: **1456865.688sft**

Mapping Angle: **-0°26'38"**

Combination Scale Factor: **0.99997369**

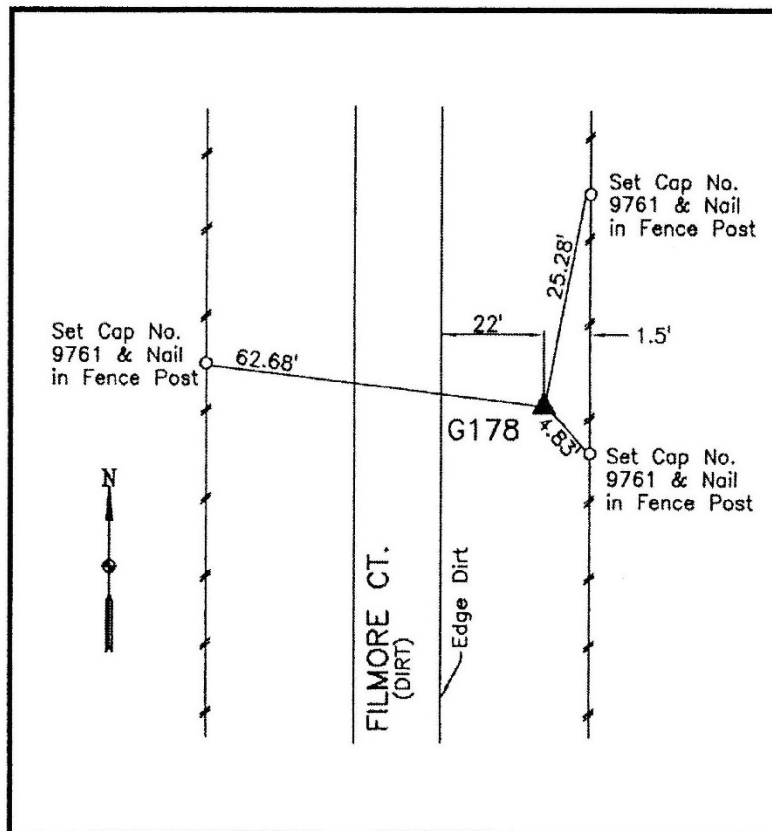
IaRCS Zone 8 Northing: **7586470.002sft**

Easting: **18375469.928sft**

Mapping Angle: **-0°18'18"**

Combination Scale Factor: **1.00001016**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G178 and NGS Style
Access Cover 4 " Deep.

Location:

East side Filmore Court in
Section 1, T81N, R29W,
opposite north gate to gravel at
property 0.7 mile north of 130th
Street.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **179**

Designation: G179 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'42.95923"**

Longitude: **W94°13'19.83274"**

NAVD 88 Ortho Height: **978.993sft**

Ellip. Ht: **887.254sft**

Geoid12B

Iowa South Zone (1402) Northing: **679204.824sft**

Easting: **1443690.745sft**

Mapping Angle: **-0°28'33"**

Combination Scale Factor: **0.99997257**

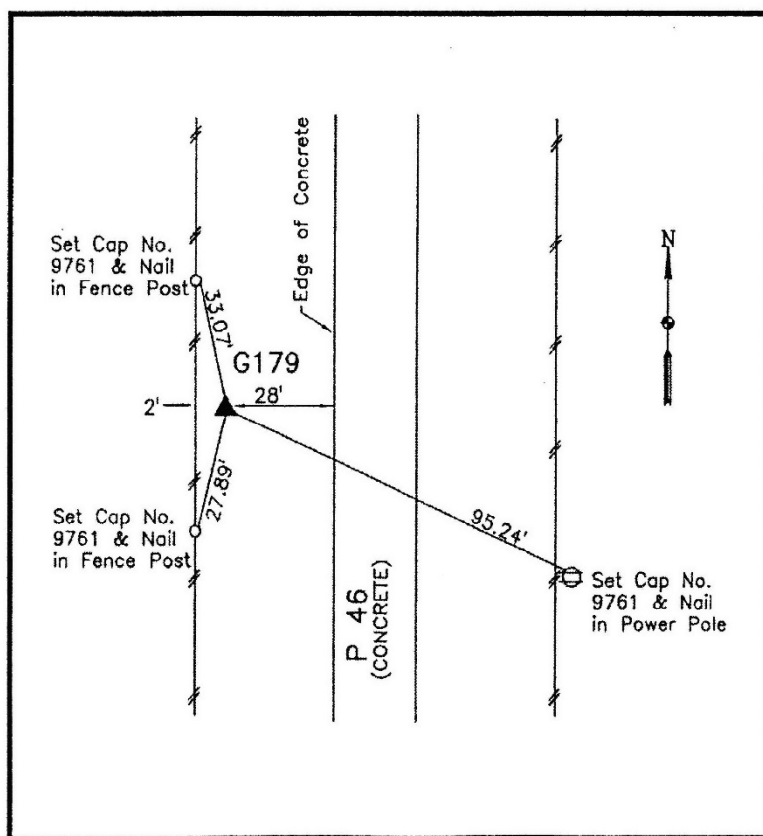
IaRCS Zone 8 Northing: **7587737.370sft**

Easting: **18362291.378sft**

Mapping Angle: **-0°20'14"**

Combination Scale Factor: **1.00001233**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G179 and NGS Style
Access Cover 5 " Deep.

Location:

West side of D Avenue (P46)
in Section 4, T81N, R29W, 0.1
mile south of north county line.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **180**

Designation: G180 (set by WHKS in 2001)

NAD 83(NA2011) Latitude: **N41°51'46.49466"**

Longitude: **W94°16'48.61311"**

NAVD 88 Ortho Height: **1048.258sft**

Ellip. Ht: **957.239sft**

Geoid12B

Iowa South Zone (1402) Northing: **679699.114sft**

Easting: **1427896.226sft**

Mapping Angle: **-0°30'50"**

Combination Scale Factor: **0.99996943**

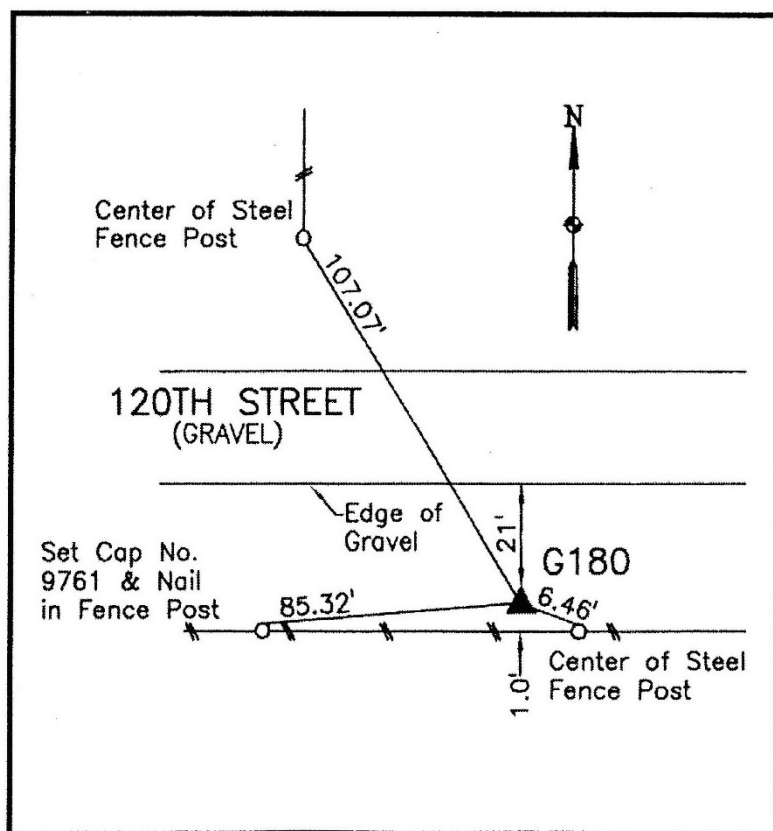
IaRCS Zone 8 Northing: **7588193.610sft**

Easting: **18346495.047sft**

Mapping Angle: **-0°22'34"**

Combination Scale Factor: **1.00001425**

Monument Type: 5/8" dia. x 6'-0" long alum. rod with cap and NGS style access cover.



Description:

Placed 5/8" X 6' - 0" Long
Aluminum Rod with Cap
Stamped G180 and NGS Style
Access Cover 3 " Deep.

Location:

South side of 120th Street in
Section 6, T81N, R29W, near
northwest corner of county.

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **181**

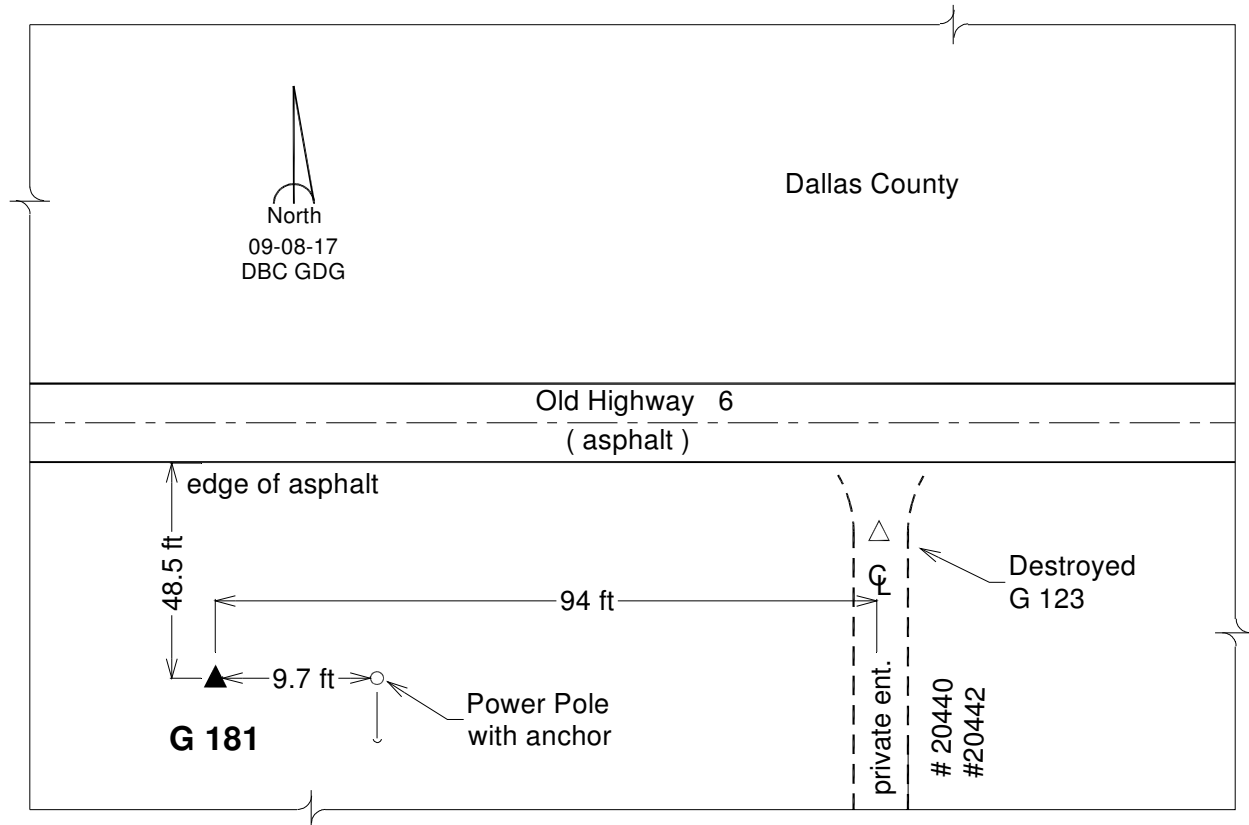
Designation: G181 (set by DCI in 2017)

NAD 83(NA2011) Latitude: **N41°36'00.99975"** Longitude: **W94°04'48.11061"**
NAVD 88 Ortho Height: **1029.706sft** Ellip. Ht: **931.014sft** **Geoid12B**

Iowa South Zone (1402) Northing: **583571.724sft** Easting: **1481775.651sft**
Mapping Angle: **-0°22'55"** Combination Scale Factor: **0.99992820**

IaRCS Zone 8 Northing: **7492191.926sft** Easting: **18400611.476sft**
Mapping Angle: **-0°14'29"** Combination Scale Factor: **0.99999986**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 6ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **182**

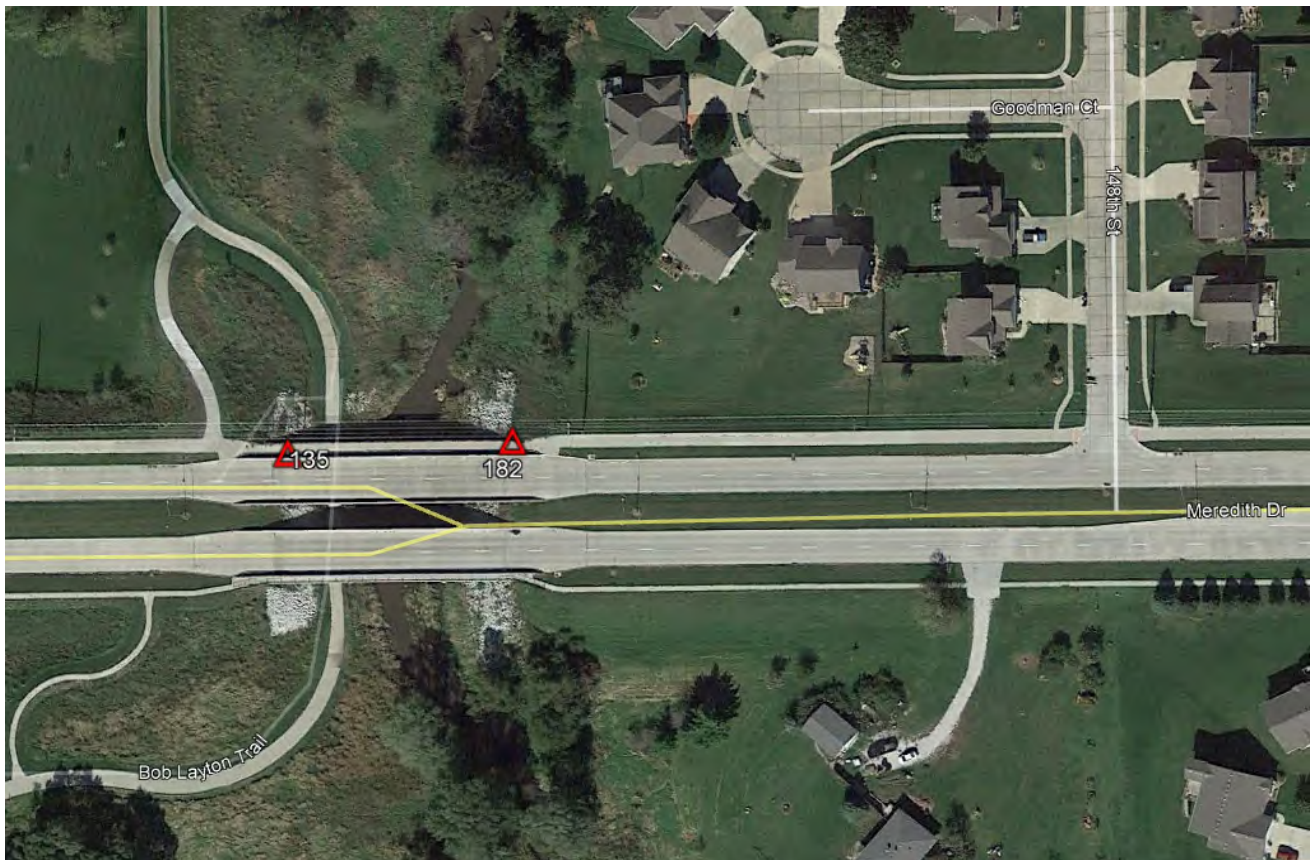
Designation: Urbandale BM No. 92 (established in 2013)

NAD 83(NA2011) Latitude: **N41°38'38.10004"** Longitude: **W93°49'28.17465"**
NAVD 88 Ortho Height: **911.810sft** Ellip. Ht: **810.772sft** **Geoid12B**

Iowa South Zone (1402) Northing: **599109.384sft** Easting: **1551725.249sft**
Mapping Angle: **-0°12'49"** Combination Scale Factor: **0.99993953**

IaRCS Zone 8 Northing: **7507903.191sft** Easting: **18470526.900sft**
Mapping Angle: **-0°04'18"** Combination Scale Factor: **0.99999531**

Monument Type: A brass plug set in bike trail on bridge at northeast corner.
In the City of Urbandale, Dallas Co. Located on the northeast corner of bridge on barrier wall over Walnut Creek on Meredith Drive, Sec 13, T79N, R26W.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **2004**

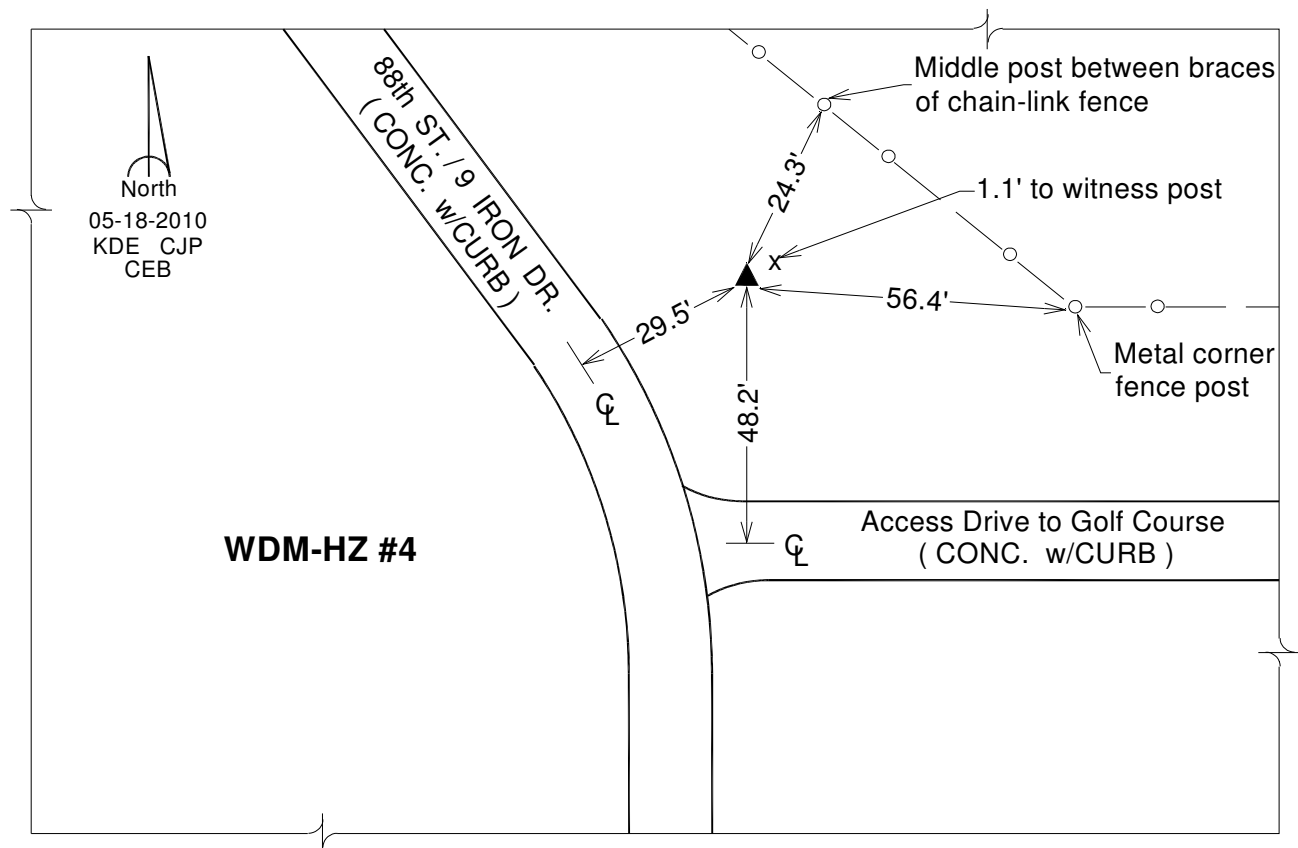
Designation: WDM-HZ #4 (set by DCI in 2010)

NAD 83(NA2011) Latitude: **N41°35'27.76678"** Longitude: **W93°49'40.74466"**
NAVD 88 Ortho Height: **1012.400sft** Ellip. Ht: **911.059sft** Geoid12B

Iowa South Zone (1402) Northing: **579848.235sft** Easting: **1550698.258sft**
Mapping Angle: **-0°12'58"** Combination Scale Factor: **0.99992804**

IaRCS Zone 8 Northing: **7488638.413sft** Easting: **18469547.631sft**
Mapping Angle: **-0°04'26"** Combination Scale Factor: **0.99999059**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 9ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **2007**

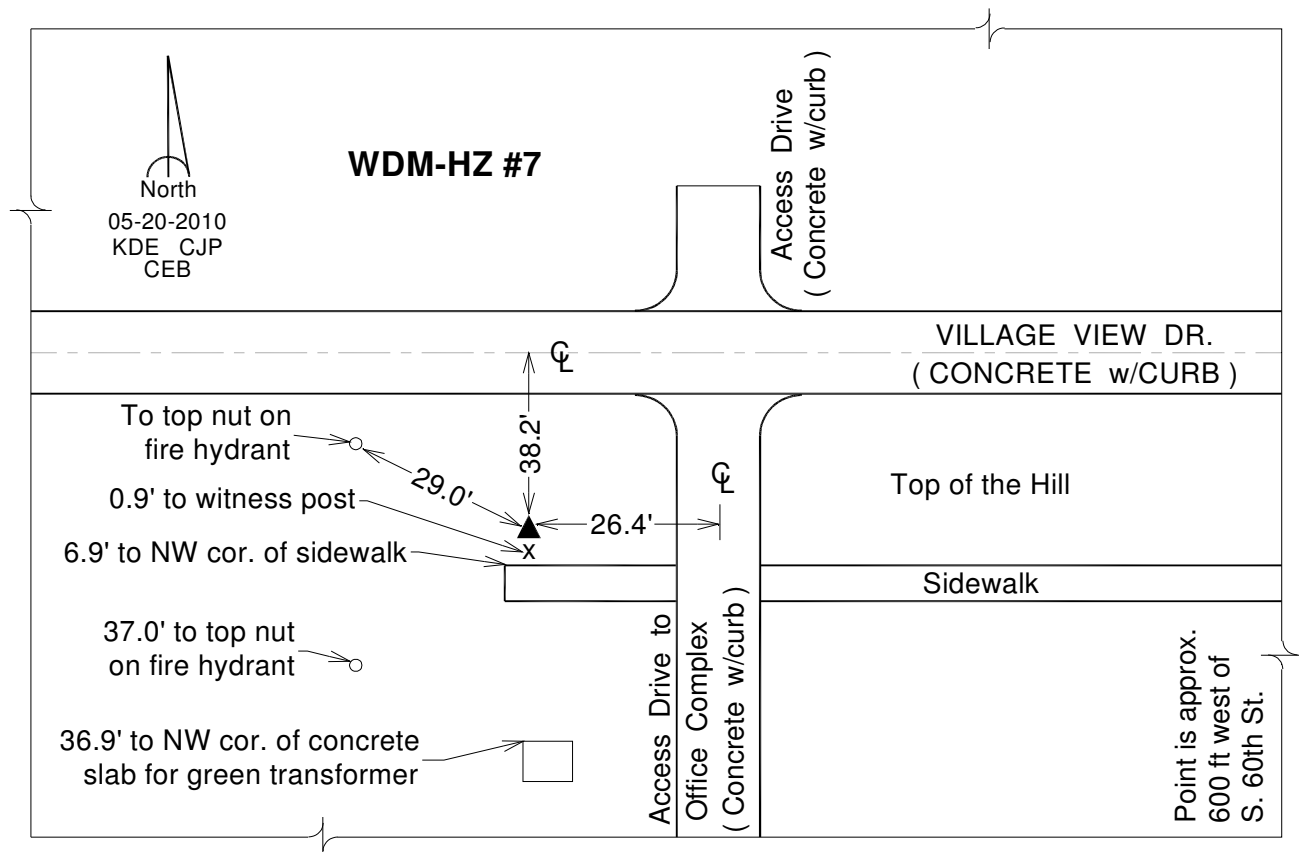
Designation: WDM-HZ #7 (set by DCI in 2010)

NAD 83(NA2011) Latitude: **N41°33'49.34016"** Longitude: **W93°47'34.49623"**
NAVD 88 Ortho Height: **956.940sft** Ellip. Ht: **855.210sft** **Geoid12B**

Iowa South Zone (1402) Northing: **569851.773sft** Easting: **1560257.608sft**
Mapping Angle: **-0°11'35"** Combination Scale Factor: **0.99992758**

laRCS Zone 8 Northing: **7478665.079sft** Easting: **18479132.383sft**
Mapping Angle: **-0°03'02"** Combination Scale Factor: **0.99999269**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 9ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **2008**

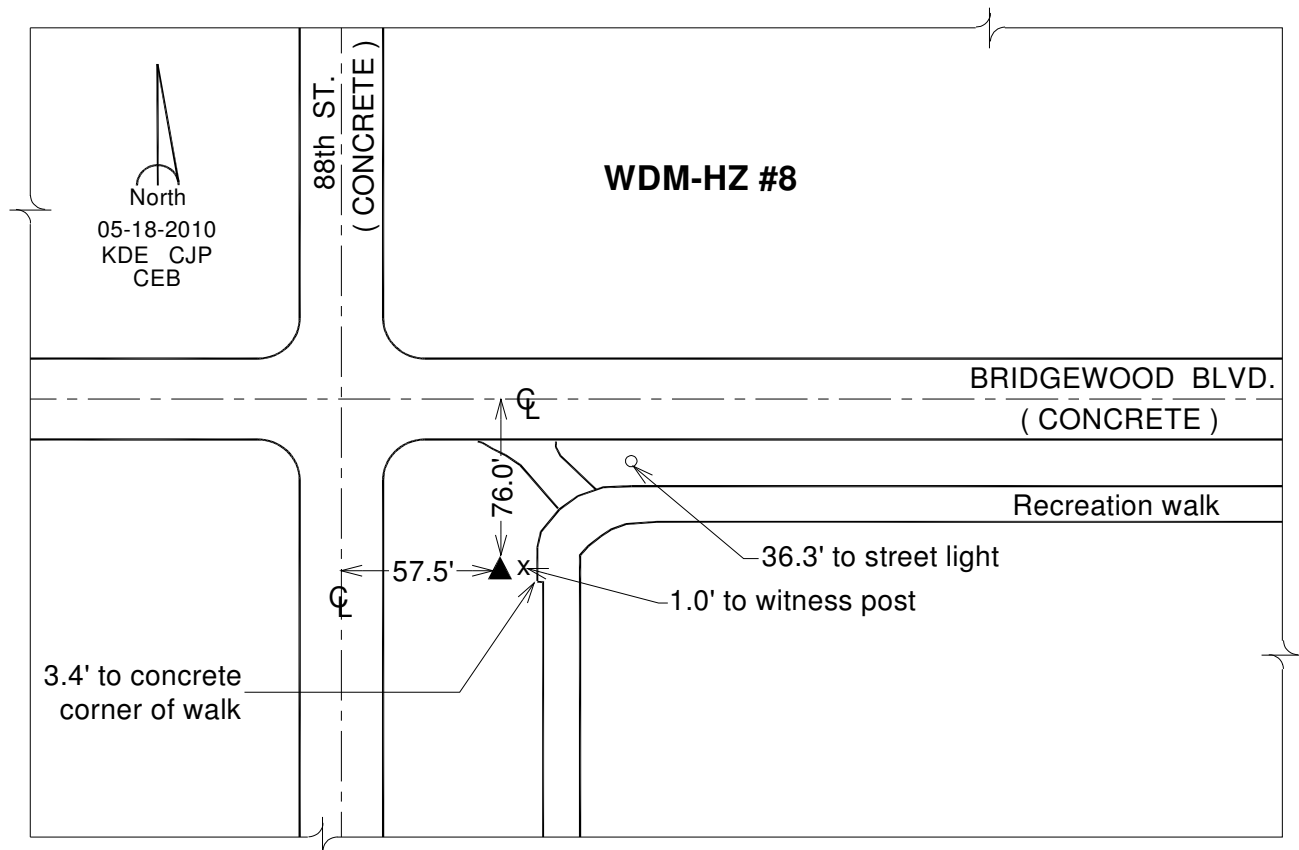
Designation: WDM-HZ #8 (set by DCI in 2010)

NAD 83(NA2011) Latitude: **N41°33'55.02761"** Longitude: **W93°49'41.35128"**
NAVD 88 Ortho Height: **988.920sft** Ellip. Ht: **887.441sft** Geoid12B

Iowa South Zone (1402) Northing: **570461.850sft** Easting: **1550616.753sft**
Mapping Angle: **-0°12'58"** Combination Scale Factor: **0.99992621**

IaRCS Zone 8 Northing: **7479251.253sft** Easting: **18469489.413sft**
Mapping Angle: **-0°04'26"** Combination Scale Factor: **0.99999172**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 9ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **2009**

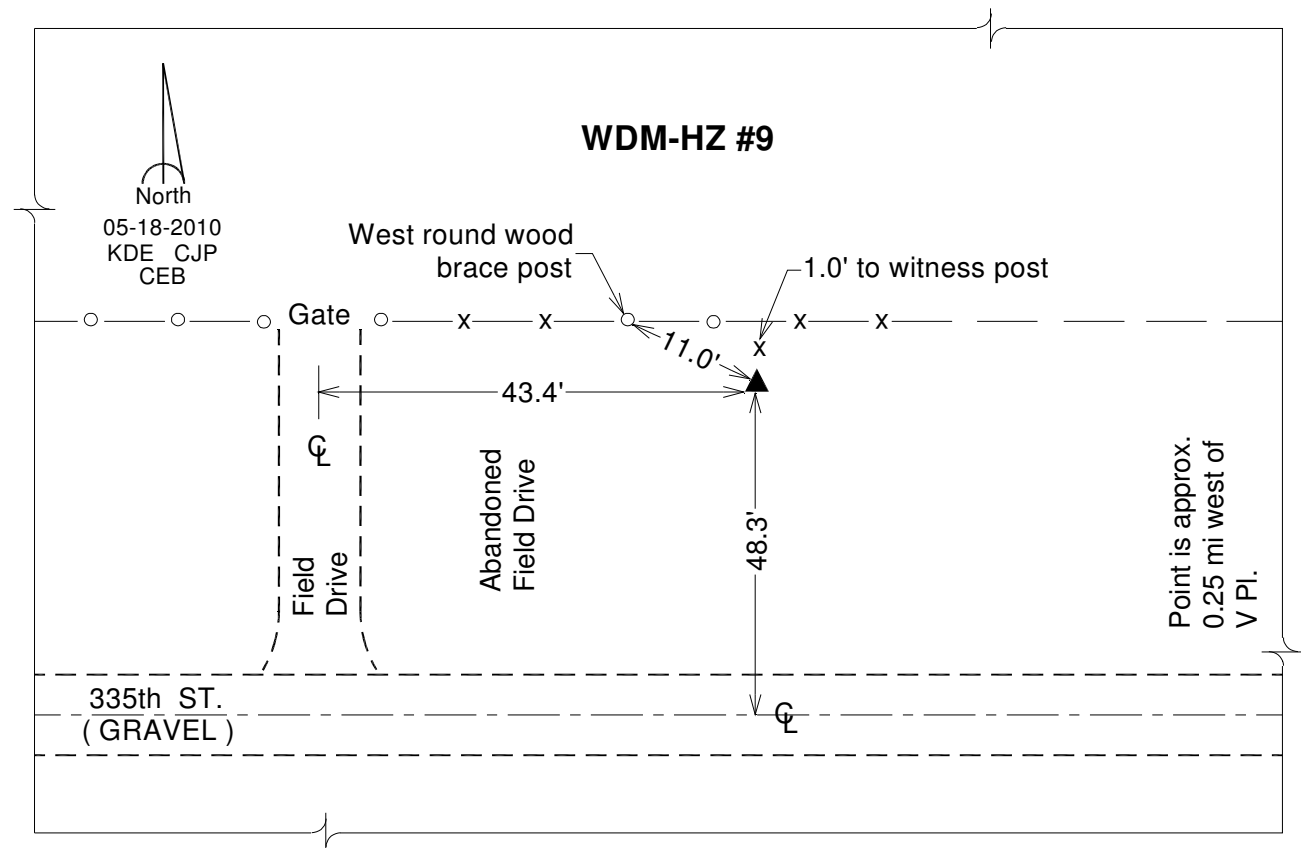
Designation: WDM-HZ #9 (set by DCI in 2010)

NAD 83(NA2011) Latitude: **N41°33'08.08099"** Longitude: **W93°52'16.48039"**
NAVD 88 Ortho Height: **1000.910sft** Ellip. Ht: **899.667sft** Geoid12B

Iowa South Zone (1402) Northing: **565757.611sft** Easting: **1538804.467sft**
Mapping Angle: **-0°14'40"** Combination Scale Factor: **0.99992421**

IaRCS Zone 8 Northing: **7474517.418sft** Easting: **18457688.043sft**
Mapping Angle: **-0°06'09"** Combination Scale Factor: **0.99999212**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 9ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **2015**

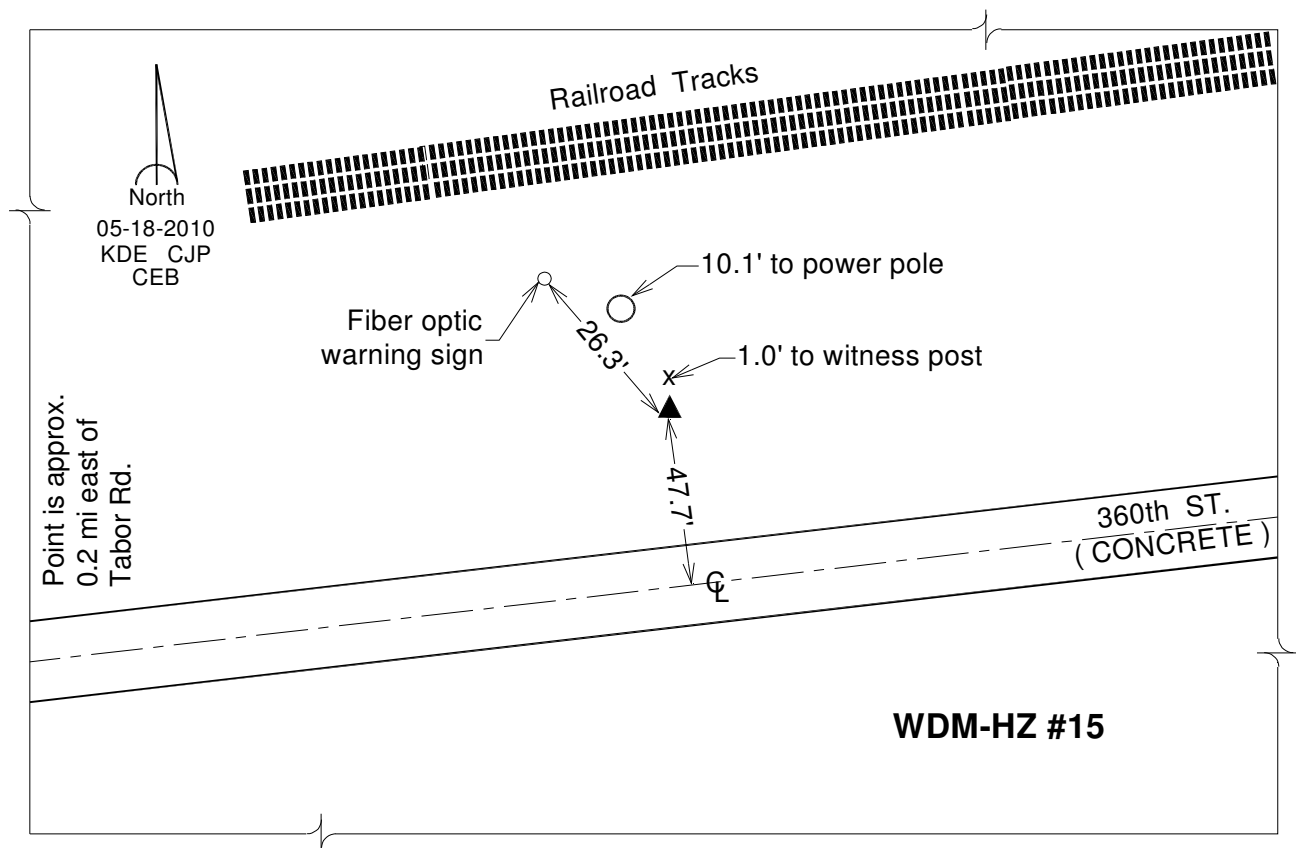
Designation: WDM-HZ #15 (set by DCI in 2010)

NAD 83(NA2011) Latitude: **N41°31'11.87788"** Longitude: **W93°54'07.25032"**
NAVD 88 Ortho Height: **859.180sft** Ellip. Ht: **757.984sft** Geoid12B

Iowa South Zone (1402) Northing: **554033.775sft** Easting: **1530328.362sft**
Mapping Angle: **-0°15'53"** Combination Scale Factor: **0.99992768**

IaRCS Zone 8 Northing: **7462771.793sft** Easting: **18449240.423sft**
Mapping Angle: **-0°07'22"** Combination Scale Factor: **0.99999978**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 9ft.+) with 2-1/2" aluminum survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **8001**

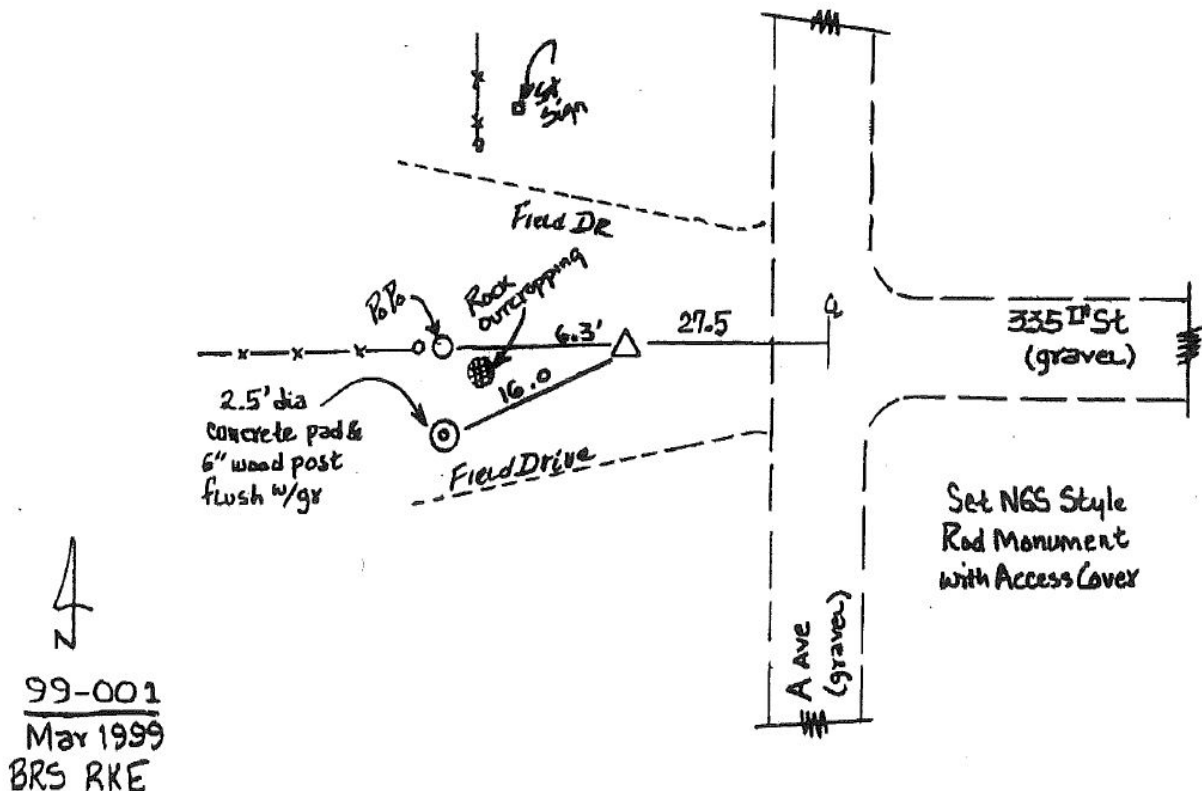
Designation: Boone Co. 99-001 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°52'13.77230"** Longitude: **W94°09'51.94887"**
NAVD 88 Ortho Height: **1014.750sft** Ellip. Ht: **922.378sft** Geoid12B

Iowa South Zone (1402) Northing: **682198.409sft** Easting: **1459444.549sft**
Mapping Angle: **-0°26'16"** Combination Scale Factor: **0.99997263**

IaRCS Zone 8 Northing: **7590769.157sft** Easting: **18378038.472sft**
Mapping Angle: **-0°17'56"** Combination Scale Factor: **1.00000598**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **8002**

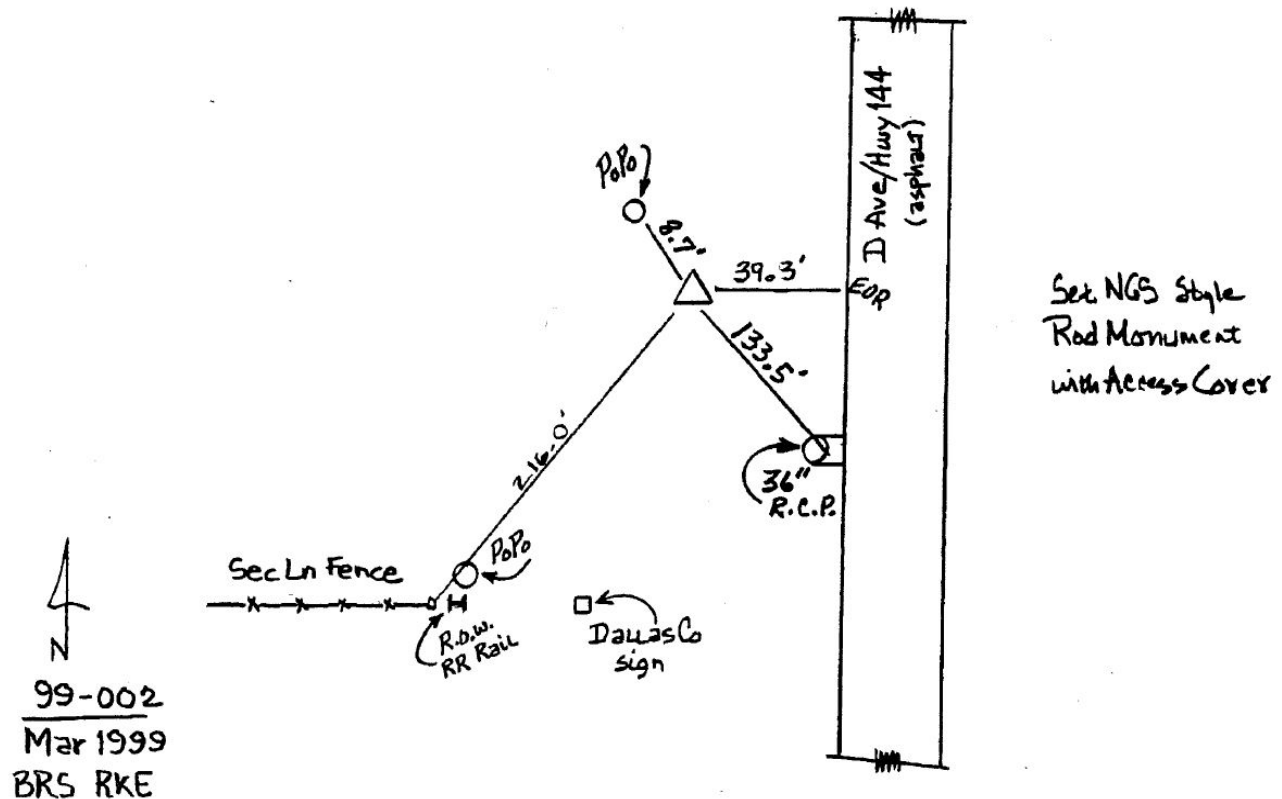
Designation: Boone Co. 99-002 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°51'49.49786"** Longitude: **W94°06'22.69654"**
NAVD 88 Ortho Height: **995.650sft** Ellip. Ht: **902.242sft** Geoid12B

Iowa South Zone (1402) Northing: **679625.643sft** Easting: **1475258.946sft**
Mapping Angle: **-0°23'58"** Combination Scale Factor: **0.99997222**

IaRCS Zone 8 Northing: **7588234.704sft** Easting: **18393859.572sft**
Mapping Angle: **-0°15'36"** Combination Scale Factor: **1.00000282**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **8003**

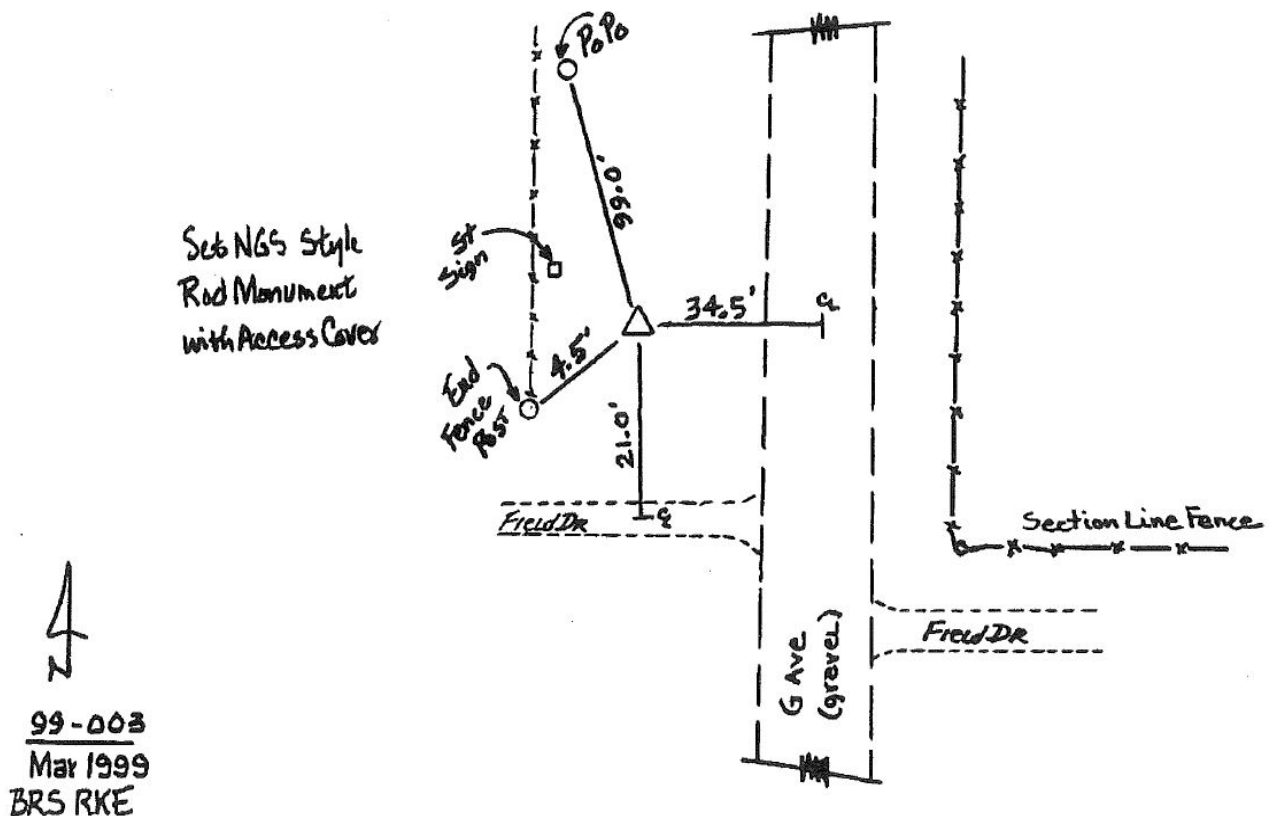
Designation: Boone Co. 99-003 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°51'47.58384"** Longitude: **W94°02'53.29014"**
NAVD 88 Ortho Height: **962.820sft** Ellip. Ht: **868.472sft** **Geoid12B**

Iowa South Zone (1402) Northing: **679326.752sft** Easting: **1491102.621sft**
Mapping Angle: **-0°21'40"** Combination Scale Factor: **0.99997372**

IaRCS Zone 8 Northing: **7587974.407sft** Easting: **18409704.385sft**
Mapping Angle: **-0°13'16"** Combination Scale Factor: **1.00000088**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



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Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **8004**

Designation: Boone Co. 99-004 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°52'13.02362"**

Longitude: **W93°59'18.70263"**

NAVD 88 Ortho Height: **966.440sft**

Ellip. Ht: **871.326sft**

Geoid12B

Iowa South Zone (1402) Northing: **681805.096sft**

Easting: **1507354.215sft**

Mapping Angle: **-0°19'18"**

Combination Scale Factor: **0.99997502**

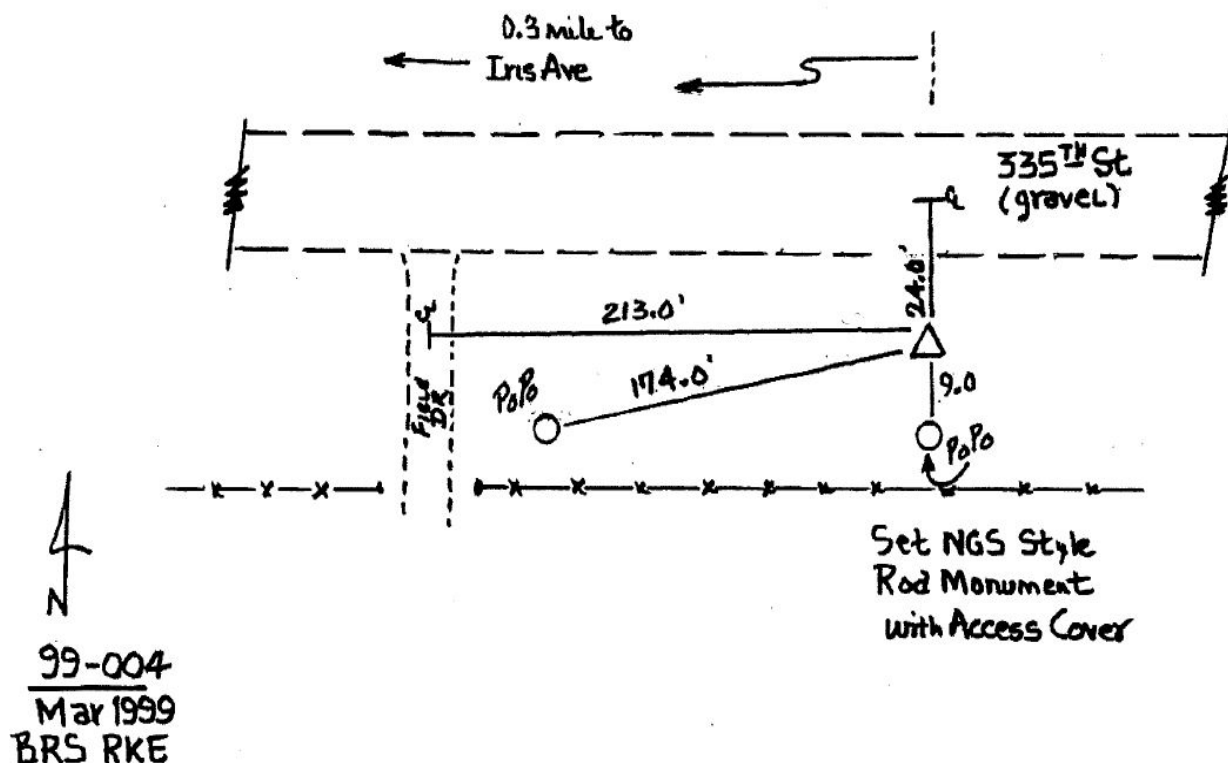
IaRCS Zone 8 Northing: **7590492.543sft**

Easting: **18425950.275sft**

Mapping Angle: **-0°10'53"**

Combination Scale Factor: **0.99999769**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **8005**

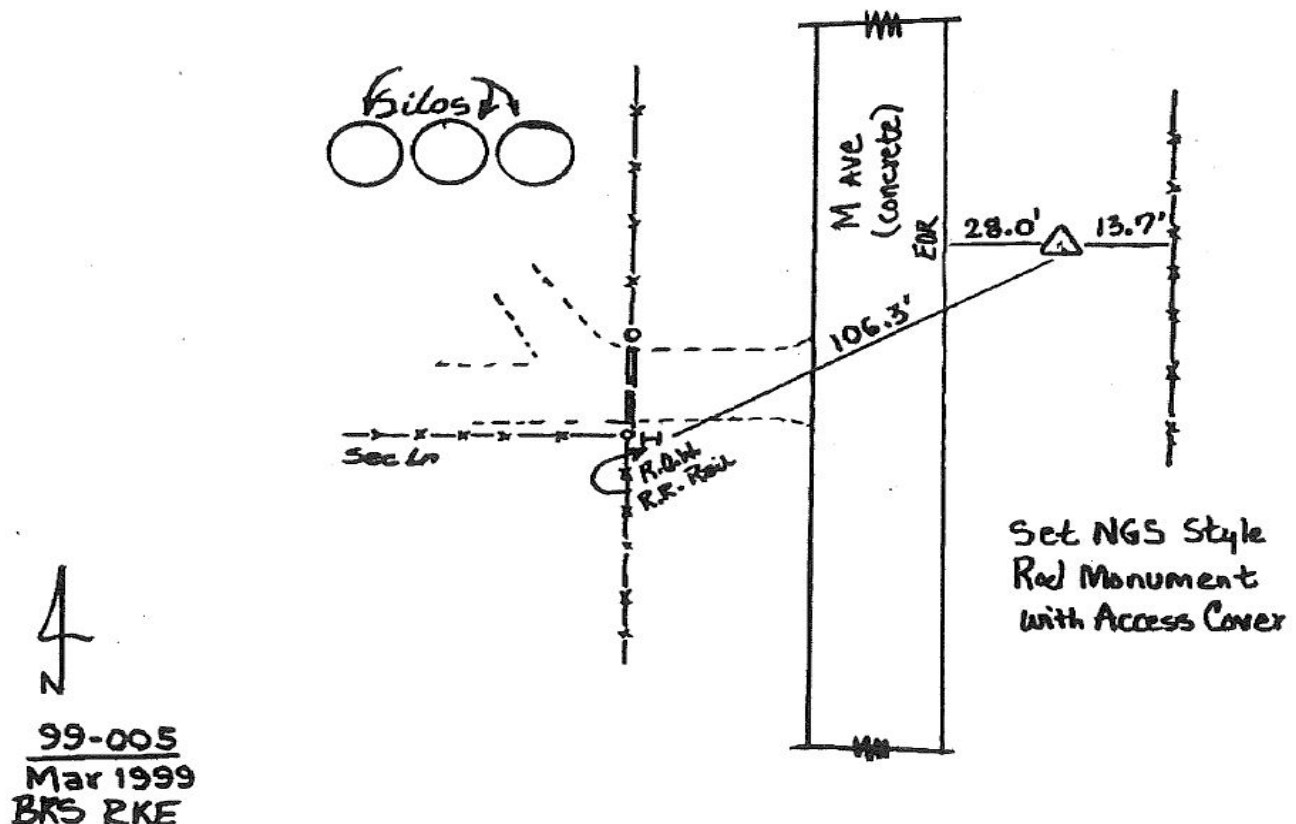
Designation: Boone Co. 99-005 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°51'48.05777"** Longitude: **W93°55'51.48617"**
NAVD 88 Ortho Height: **1063.370sft** Ellip. Ht: **967.159sft** **Geoid12B**

Iowa South Zone (1402) Northing: **679195.092sft** Easting: **1523019.438sft**
Mapping Angle: **-0°17'02"** Combination Scale Factor: **0.99996904**

IaRCS Zone 8 Northing: **7587920.932sft** Easting: **18441622.203sft**
Mapping Angle: **-0°08'35"** Combination Scale Factor: **0.99999075**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **8006**

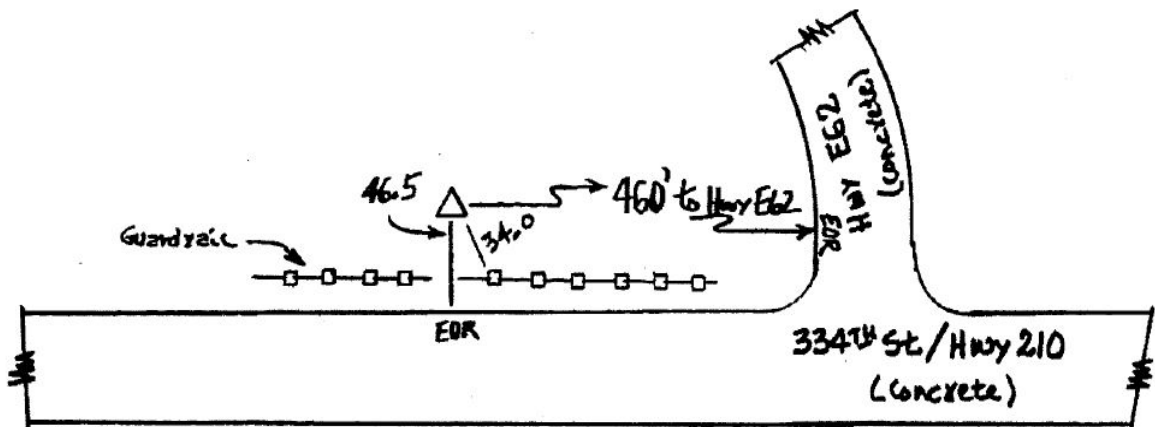
Designation: Boone Co. 99-006 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°52'14.51639"** Longitude: **W93°52'27.28826"**
NAVD 88 Ortho Height: **900.290sft** Ellip. Ht: **803.353sft** Geoid12B

Iowa South Zone (1402) Northing: **681801.826sft** Easting: **1538482.024sft**
Mapping Angle: **-0°14'47"** Combination Scale Factor: **0.99997835**

IaRCS Zone 8 Northing: **7590565.790sft** Easting: **18457078.631sft**
Mapping Angle: **-0°06'19"** Combination Scale Factor: **0.99999677**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



Set NGS Style
Rod Monument
with Access Cover

4
N
99-006
Mar 1999
BRS RKE

This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
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2018

Point Name: **8007**

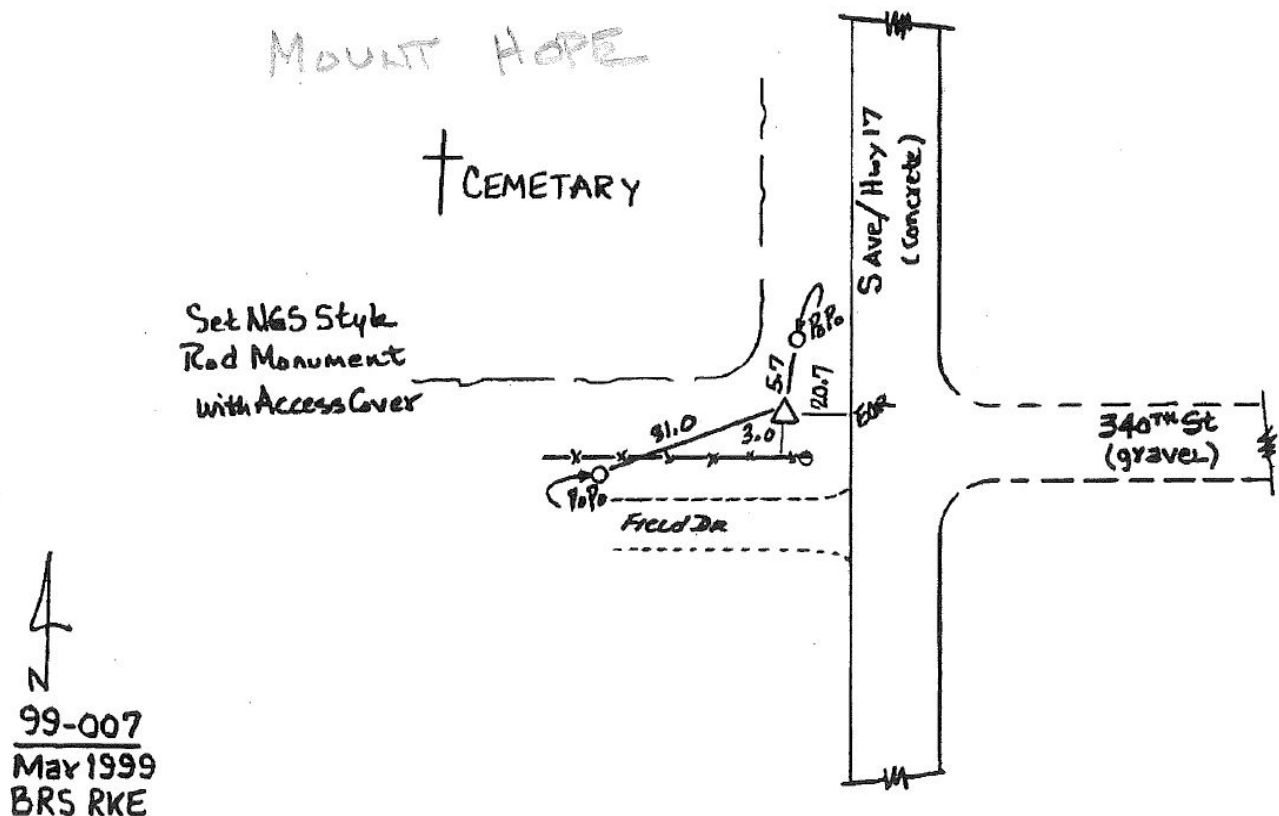
Designation: Boone Co. 99-007 (set by Asi in 1999)

NAD 83(NA2011) Latitude: **N41°51'48.38314"** Longitude: **W93°48'57.01870"**
NAVD 88 Ortho Height: **1032.720sft** Ellip. Ht: **934.748sft** **Geoid12B**

Iowa South Zone (1402) Northing: **679093.396sft** Easting: **1554381.152sft**
Mapping Angle: **-0°12'29"** Combination Scale Factor: **0.99997061**

IaRCS Zone 8 Northing: **7587896.612sft** Easting: **18472984.698sft**
Mapping Angle: **-0°03'58"** Combination Scale Factor: **0.99998923**

Monument Type: 5/8" dia driven aluminum rod with a 2-1/2" dia. cap and permanent magnet encased in a 5" dia PVC pipe with an access cover.



This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa

Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**

Iowa State Plane South Zone (1402)

Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM

US Survey Feet

2018

Point Name: **10098**

Designation: CBN control station "Perryport" PID: MJ1411

NAD 83(NA2011) Latitude: **N41°49'40.57679"**

Longitude: **W94°09'33.55210"**

NAVD 88 Ortho Height: **1006.466sft**

Ellip. Ht: **913.131sft**

Geoid12B

Iowa South Zone (1402) Northing: **666681.140sft**

Easting: **1460718.860sft**

Mapping Angle: **-0°26'03"**

Combination Scale Factor: **0.99996465**

IaRCS Zone 8 Northing: **7575254.444sft**

Easting: **18379350.458sft**

Mapping Angle: **-0°17'43"**

Combination Scale Factor: **1.00000606**

Monument Type: Sta. is a punch mark in the top of a stainless steel rod driven into the ground 10.8 meters and encased in a 5" PVC pipe with a logo cap.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **37068**

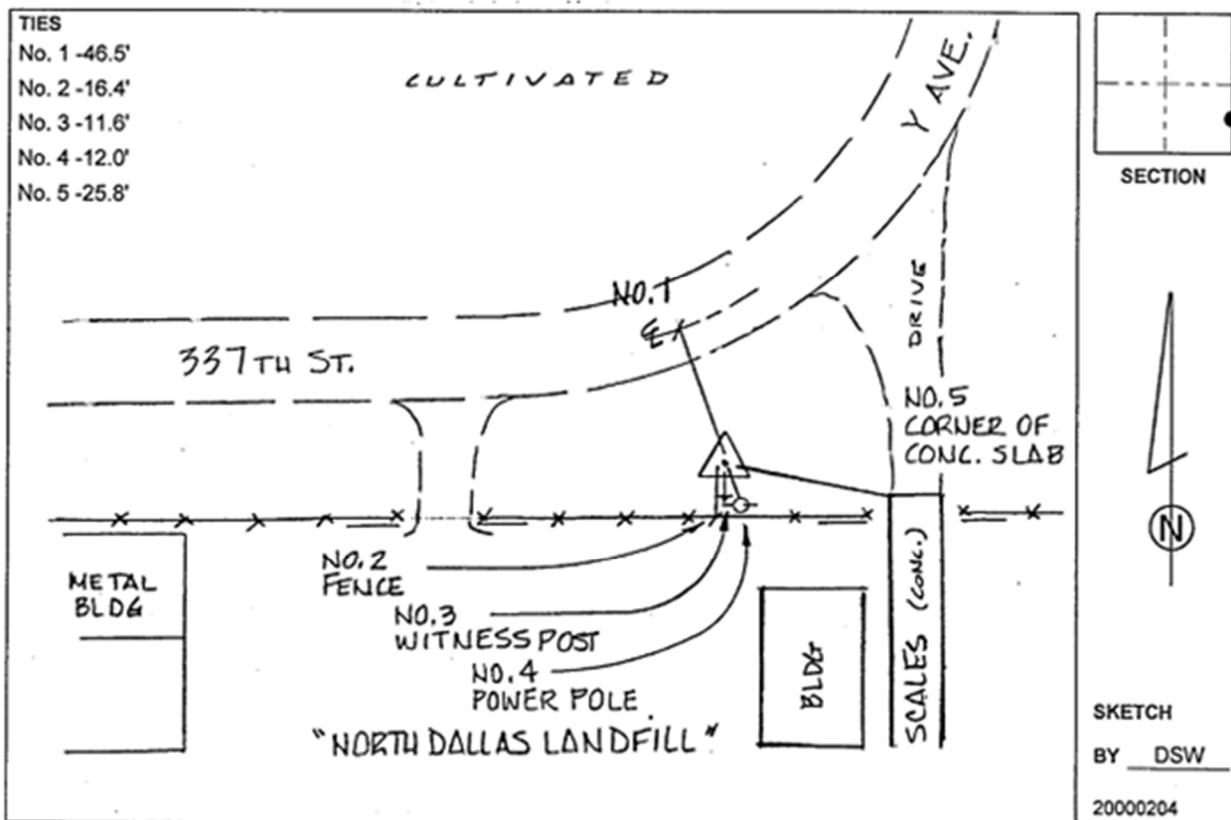
Designation: Greene Co. A068 (set by Deni Assoc. in 2000)

NAD 83(NA2011) Latitude: **N41°52'00.53258"** Longitude: **W94°09'52.57796"**
NAVD 88 Ortho Height: **992.430sft** Ellip. Ht: **899.982sft** **Geoid12B**

Iowa South Zone (1402) Northing: **680858.619sft** Easting: **1459386.714sft**
Mapping Angle: **-0°26'16"** Combination Scale Factor: **0.99997295**

IaRCS Zone 8 Northing: **7589429.186sft** Easting: **18377983.881sft**
Mapping Angle: **-0°17'56"** Combination Scale Factor: **1.00000707**

Monument Type: 3-1/4"dia alum. disk set in 10"dia poured-in-place concrete monument.



This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
US Survey Feet
2018

Point Name: **37070**

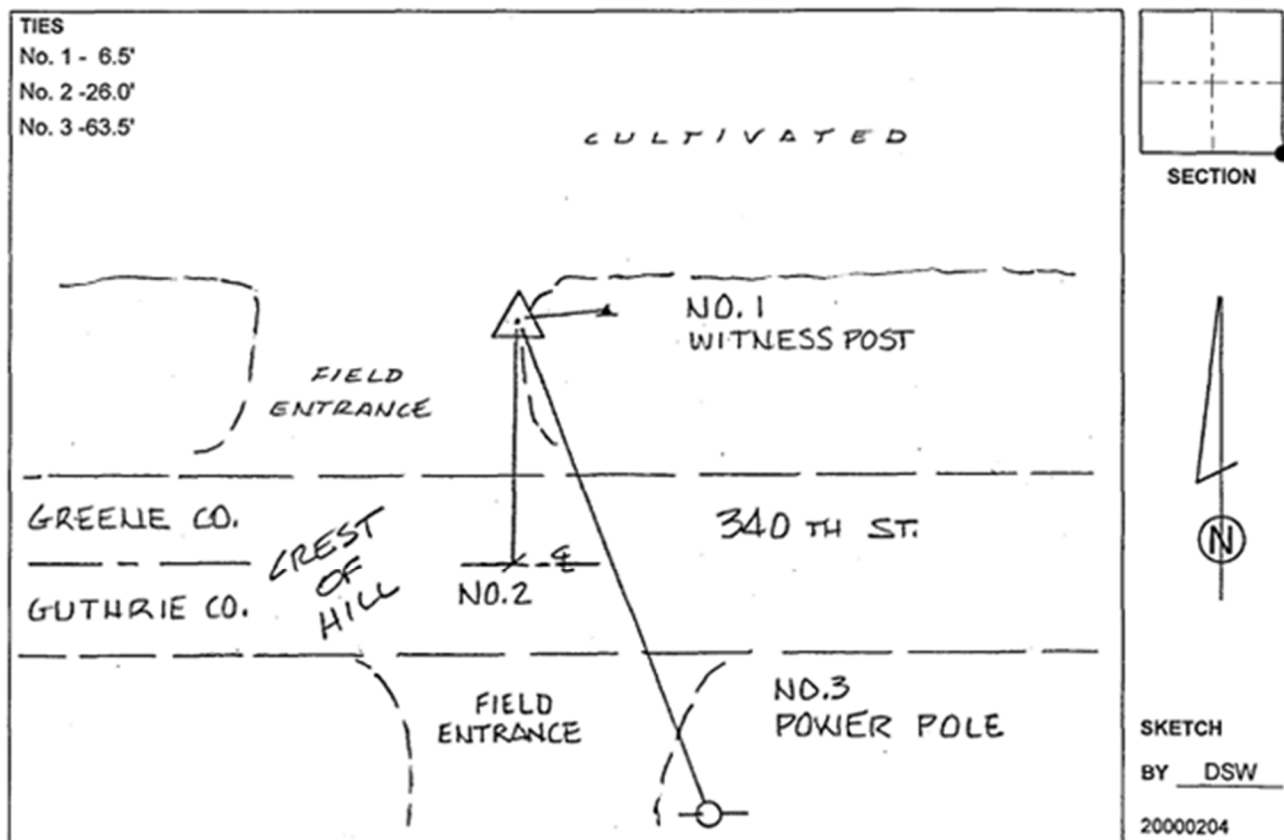
Designation: Greene Co. A070 (set by Deni Assoc. in 2000)

NAD 83(NA2011) Latitude: **N41°51'47.06817"** Longitude: **W94°16'54.69584"**
NAVD 88 Ortho Height: **1064.970sft** Ellip. Ht: **973.972sft** Geoid12B

Iowa South Zone (1402) Northing: **679761.298sft** Easting: **1427436.496sft**
Mapping Angle: **-0°30'54"** Combination Scale Factor: **0.99996866**

IaRCS Zone 8 Northing: **7588254.690sft** Easting: **18346035.148sft**
Mapping Angle: **-0°22'38"** Combination Scale Factor: **1.00001361**

Monument Type: 3-1/4"dia alum. disk set in 10"dia poured-in-place concrete monument.



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Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
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2018

Point Name: **37101**

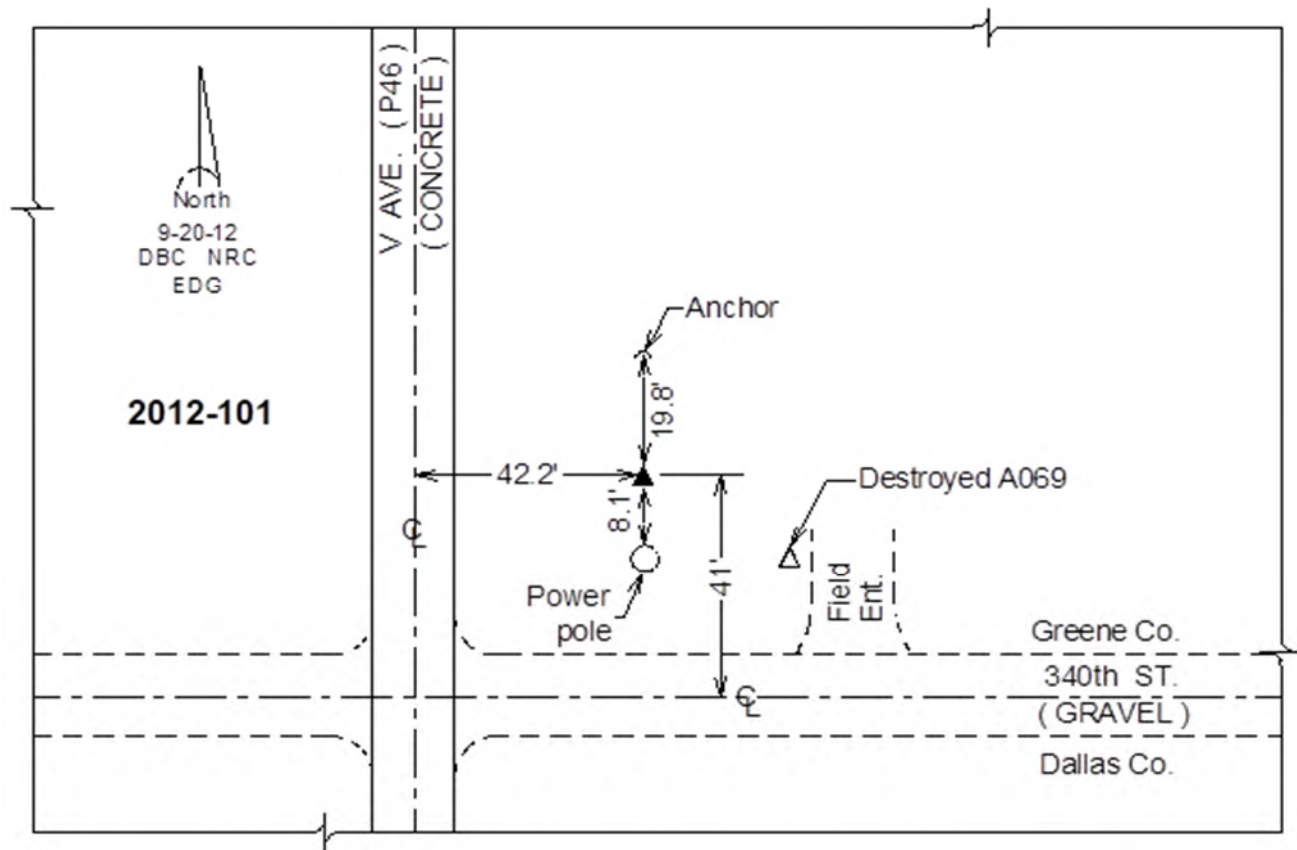
Designation: Greene Co. 101 (set by DCI in 2012)

NAD 83(NA2011) Latitude: **N41°51'47.91752"** Longitude: **W94°13'18.70725"**
NAVD 88 Ortho Height: **1004.110sft** Ellip. Ht: **912.394sft** **Geoid12B**

Iowa South Zone (1402) Northing: **679706.003sft** Easting: **1443780.072sft**
Mapping Angle: **-0°28'32"** Combination Scale Factor: **0.99997165**

IaRCS Zone 8 Northing: **7588238.783sft** Easting: **18362379.499sft**
Mapping Angle: **-0°20'14"** Combination Scale Factor: **1.00001111**

Monument Type: Berntsen Top Security Rod monument (3/4"dia x 6ft.+) with 2-1/2" domed survey cap and permanent magnet encased in a 5" dia. PVC pipe with NGS style alum. access cover.



This document was prepared by Dan Corbin, Inc. on March 9, 2018 for Dallas County, Iowa.

Dallas County, Iowa
Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**
Iowa State Plane South Zone (1402)
Iowa Regional Coordinate System, Zone 8, Ames-Des Moines TM
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2018

Point Name: **De Soto**

Designation: De Soto - IADS (Iowa Real-Time Network Base Station)

NAD 83(NA2011) Latitude: **N41°33'06.29274"** Longitude: **W94°00'28.48087"**
NAVD 88 Ortho Height: **911.923sft** Ellip. Ht: **811.859sft** Geoid12B

Iowa South Zone (1402) Northing: **565765.655sft** Easting: **1501397.130sft**
Mapping Angle: **-0°20'04"** Combination Scale Factor: **0.99992835**

IaRCS Zone 8 Northing: **7474432.948sft** Easting: **18420278.172sft**
Mapping Angle: **-0°11'35"** Combination Scale Factor: **1.00000152**

Monument Type: Station is the antenna reference point of the GPS antenna.



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